



Sears, Roebuck and Co., Chicago

**Originators of the Guarantee that
Stands the test in the Scales of Justice**

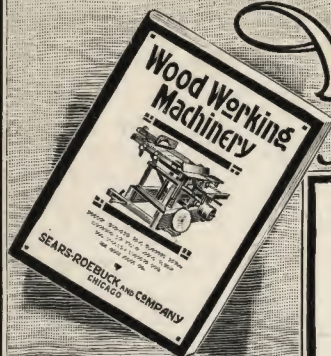
Hardware

THIS Hardware Catalog is made up of pages taken from our big General Catalog No. 138. This explains why references are sometimes made to pages not found in this Hardware Catalog. In order to show a complete line of lathes and drills, we have included a few pages not found in our Big Catalog.

WE REQUIRE cash with order. The best ways to send money are in the form of an express money order, postoffice money order, a bank draft, your personal check or currency in a registered letter.

To find what you want see the index on pages 1114A to 1117A.

Freight and Express Rates Are on Pages 1112A and 1113A.



Wood Working Machinery

for Contractors, Builders, Carpenters, Cabinet and Wagon Makers

22-Inch Swing Band Saw Machine

With Stand, for Power Only.

DESCRIPTION.

Tilting Table for sawing bevels, made of cast iron, planed true. Size, 14 $\frac{1}{2}$ x17 $\frac{1}{2}$ inches and stands 40 inches from floor. Saw Guides are adjustable and ball bearing. Upper guide has improved ball bearing discs and can be raised to saw material up to 7 inches thick.

Swing—22 inches capacity to cut to center of 44-inch circle.

Wheels are 22 inches in diameter by 1 $\frac{1}{2}$ -inch face and have endless rubber bands for saw to run on. Upper wheel has tilting adjustment on top bar for leading saw with proper tension against the guide. Also has hand wheel adjustment for regulating the tension on the saw. Can be adjusted to take saws 12 feet to 12 feet 6 inches long.

Shafting—Cold rolled steel, 1 inch in diameter. Bearings—3 inches wide, full babbitted with high quality babbitt.

Shipping weight, 260 pounds. Approximate floor space, width, 2 feet 8 inches; length, 2 feet 8 inches. Tight and loose pulley, 8-inch diameter by 3-inch face. Speed, 550 R. P. M. Power, 1 to 2 H. P.

99R8132 $\frac{1}{2}$
22-Inch Swing Band Saw Machine with Stand, as illustrated and described, with one $\frac{3}{8}$ -inch band saw and belt shifter, but without table shown in outline in illustration.

Price, complete **\$44.50**

\$44⁵⁰

Table Shown in Outline Not Included, But Shown Only as a Suggestion for Work Table.

All Goods on This Page Shipped Direct From Factory at Cincinnati, Ohio. Shipping Usually Made in From 5 to 10 Days After Order is Received.

Swing Cut-Off Saw

For Power Only.

Swing cut-off saws are great labor savers, especially in cutting long material of large dimension. One man can lay the work in position to get any special cut desired. The swinging frame being short and rigid gives a clean square cut with but little effort on the part of the operator. Cuts a 1-inch board 20 inches wide or a 3-inch plank 15 inches wide. Saw swings back below table surface out of the way, or by means of an adjustable stop, can be set to swing back just far enough to clear the work being done.

DESCRIPTION.

Frame, 1 $\frac{1}{2}$ -inch angle steel, securely bolted together.

Saw Table, 26 inches wide by 24 inches long and has an adjustable bracket on each side to bolt on extensions for making as wide a table as desired for convenience in cutting off long material. Height is variable to suit the work, extreme height being 32 inches.

Saw Mandrel, 1 inch in diameter with 3x3-inch pulley, takes saws with $\frac{3}{8}$ -inch hole.

Countershaft, 1 inch in diameter with 8x3-inch tight and loose pulley. Hand Lever for pulling saw through the work.

Shpg. Wt.	Floor Space Required	Tight and Loose Pulley	Speed	Power
250 lbs.	Width 2 ft. 2 in. Length 2 ft. 2 in. by 2 ft.	8-inch diameter by 3-inch face	600 R. P. M.	2 H. P.

99R8150 $\frac{1}{2}$ —Swing Cut-Off Saw, as illustrated and described, with one 12-inch saw and one 3-inch belt.

Price, complete.....**\$32.00**

Our Wagon Shop Special

For Power Only. **\$190⁰⁰**



DESCRIPTION.

Saw Table—Heavy angle and channel steel, ground to uniform level and true surface. Height, 2 feet 9 $\frac{1}{2}$ inches; width, 27 inches; overhangs base on left side 10 $\frac{1}{2}$ inches. Length, 3 feet. Table hinged at back to raise or lower for regulating depth of cut. Has opening for 14-inch saw, which will cut up to 5 inches deep.

Band Saw—22-inch swing and ball bearing guides. Will saw material up to 7 inches thick. Tilting table stands 40 inches high and is 14 $\frac{1}{2}$ inches wide by 17 $\frac{1}{2}$ inches long.

Jointer—12-in. with square head, two knives and wood spring to hold down material. Has hand wheel screws for regulating depth of cut.

Felloe Boring and Spoke Tenoning Attachment with $\frac{5}{8}$ -inch boring bit. Chucks for round and square shank bits and hollow auger to cut 1 $\frac{1}{2}$ inches with $\frac{5}{8}$ and $\frac{3}{4}$ -inch bushings.

Rounder and Edge Molder with two heads and two pairs of knives.

Tilting Guide for jointer or rip saw, tilts to angle of 45 degrees and is adjustable from 0 to 17 inches.

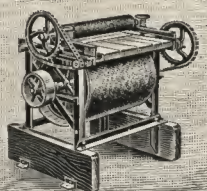
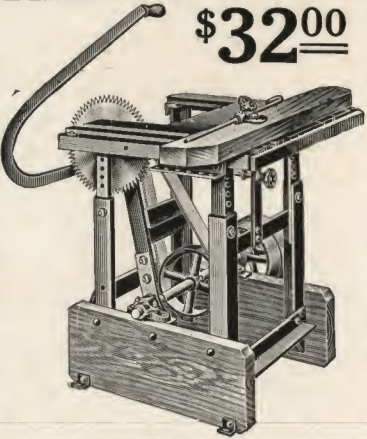
Crosscut Guide slides in milled groove. Has angle adjustment of 45 degrees and adjustable stop for cutting to lengths.

Saw Mandrel—Double ended, 1 $\frac{3}{8}$ inches in diameter, 37 $\frac{1}{2}$ inches long. Right and left hand threads; left end, 4 $\frac{1}{2}$ inches long; right end, 5 $\frac{1}{2}$ inches long.

Shipping wt. 755 lbs. Approximate floor space, width, 7 ft. 9 in.; length, 6 ft. 5 in. Tight and loose pulley, 10-in. diameter by 4-in. face. Speed, 600 R. P. M. Power, 2 to 4 H. P.

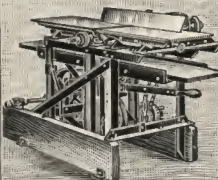
99R8112 $\frac{1}{2}$ —Price, with one 12-inch rip saw, one 10-inch crosscut saw, one $\frac{3}{8}$ -inch band saw and one 4-inch and one 3-inch belt.....**\$190.00**

\$32⁰⁰



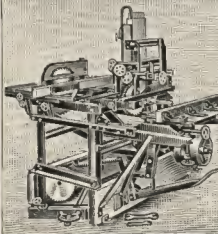
99R8140 $\frac{1}{2}$

Price**\$56.00**



99R8135 $\frac{1}{2}$

Price**\$171.00**



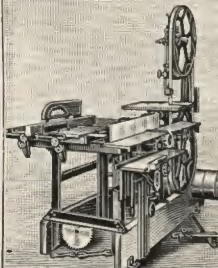
99R8126 $\frac{1}{2}$

Price**\$126.00**



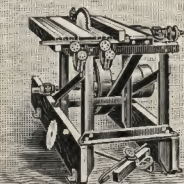
99R8128 $\frac{1}{2}$

Price**\$56.00**



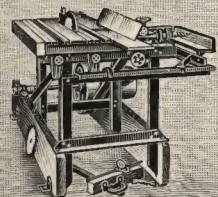
99R8122 $\frac{1}{2}$

Price**\$176.00**



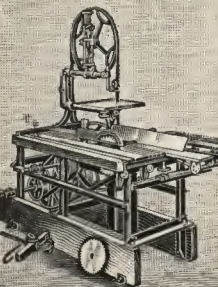
99R8106 $\frac{1}{2}$

Price**\$59.00**



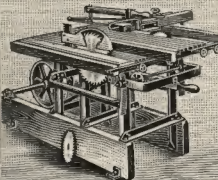
99R8108 $\frac{1}{2}$

Price**\$109.00**



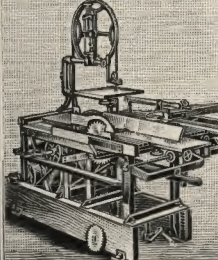
99R8110 $\frac{1}{2}$

Price**\$155.00**



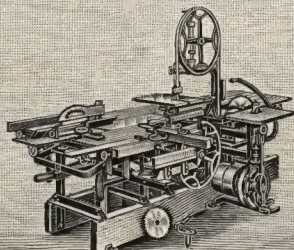
99R8114 $\frac{1}{2}$

Price**\$84.50**



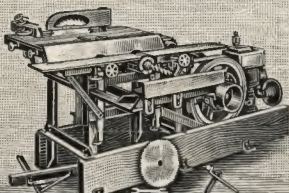
99R8116 $\frac{1}{2}$

Price**\$199.00**



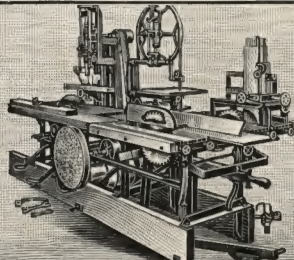
99R8118 $\frac{1}{2}$

Price**\$275.00**



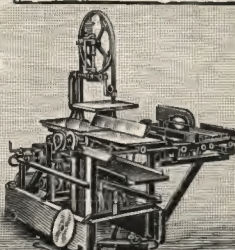
99R8121 $\frac{1}{2}$

Without Engine.....**\$116.00**



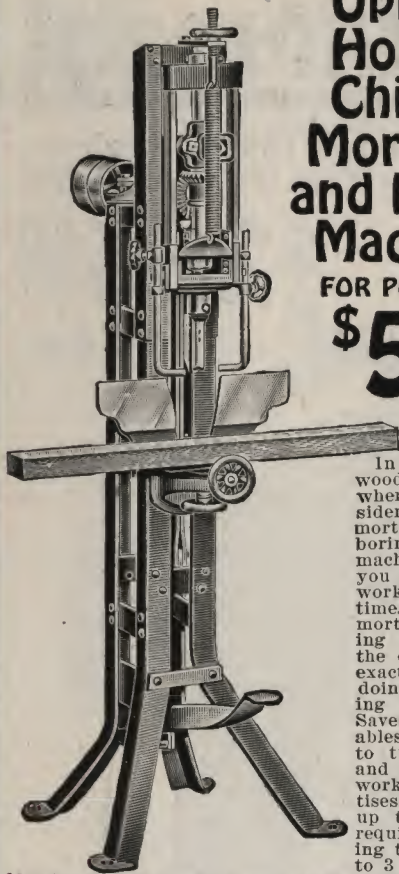
99R8117 $\frac{1}{2}$

Price**\$367.00**



99R8124 $\frac{1}{2}$

Price**\$293.00**



Upright Hollow Chisel Mortising and Boring Machine

FOR POWER ONLY
\$56⁰⁰

In wagon and woodworking shops where there is a considerable amount of mortising and heavy boring required, this machine will enable you to turn out the work in half the time. The upright mortising and boring features enable the operator to see exactly what he is doing without bending over the work. Saves time and enables the operator to turn out better and more accurate work. Makes mortises from 1/4 inch up to as large as required by repeating the cuts, and up to 3 inches deep, up to 45 degrees. A machine that will give good service and is guaranteed to be satisfactory in use.

DESCRIPTION.

Frame. 2-inch angle steel, securely bolted and riveted together.

Bedplate tilts to 45 degrees and is adjustable to and from the stand, and will take in 3 inches to center of bit. **Chuck** takes hollow chisel bits from 1/4 to 3/4 inch and boring bits with 1/2-inch round shank from 1/4 to 2 inches.

Foot Treadle gives powerful positive pull, forcing hollow chisel or boring bit into the wood.

Shipped direct from factory at CINCINNATI, OHIO.

Shipping Weight	Approx. Floor Space Width	Tight and Loose Pulley Length	Speed	Power
185 lbs.	1 foot 10 inches by 2 feet	5-in. diameter by 3-in. face	900 R. P. M.	1 to 1 1/2 H. P.

No. 99R8128 1/2 Upright Hollow Chisel Mortising and Boring Machine, as illustrated and described, with one 3/4-inch hollow chisel and bit and one 3/8-inch boring bit. Price, complete.....\$56.00

6-Inch Swing Combination Lathe Set and Grinder

\$6⁸⁰

This Combination Lathe Set and Grinder is an excellent machine for light and medium work. It is very durable and as strong as any lathe of its capacity offered by anyone. The working parts are accurately made and carefully fitted. These sets are priced very low and are good value, as they do excellent work and are not easily gotten out of order.

This set consists of headstock with flanges for holding emery wheel, tailstock with adjustable sleeve, spur center, cup center, tool rest and socket, hand nuts, washers and oil cups. Spindle is steel, 5/8-inch diameter in bearings, 1/2 inch between flanges, with provision to take up wear. Bearings are 1 1/2 inches long. Takes emery wheel 6x3/4 inch with 1/2-inch hole. Lathe swings 7 inches. Belt pulley for 1 1/4-inch belt. Set consists of metal parts only. Wood bed not included. Shipped from our CHICAGO STORE and may be included with other goods. Shipping weight, about 12 pounds.

No. 99R5633 Price, including machine bolts for attaching.....\$6.80

Power Hack Saw

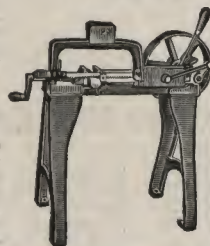
OUR PRICE
\$27⁰⁰

Will cut bars up to 4 inches square and is provided with gravity feed. Cuts flats, squares and rounds; wide range of feed enables even hard steel to be cut off square. Machine is especially suitable for cutting off shafting, light architectural iron, etc., up to its capacity. Stroke of saw blade, 6 inches; length, 12 inches. Size of pulley, 13 1/2 x 2 1/2 inches. Speed of pulley, 60 revolutions per minute. Price includes six 12-inch blades. Shipping weight, about 140 pounds.

No. 99R5620 Without belting.....\$27.00

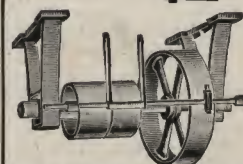
Starrett's Power Hack Saw Blades. Length, 12 inches; 14 teeth to inch, 3/4 inch wide. Shipped from our CHICAGO STORE. Weight, about 1 1/4 pounds.

No. 9R5020 Per dozen.....\$1.20



Countershaft for Above Set

\$4⁵⁰

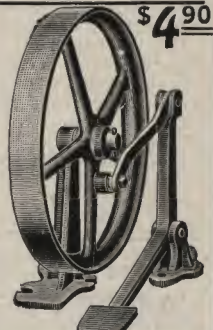


STORE: Shipping weight, about 35 pounds. No. 99R5621 Price, including 1/8 inch screws and washers for attaching.....\$4.50

Foot Wheel

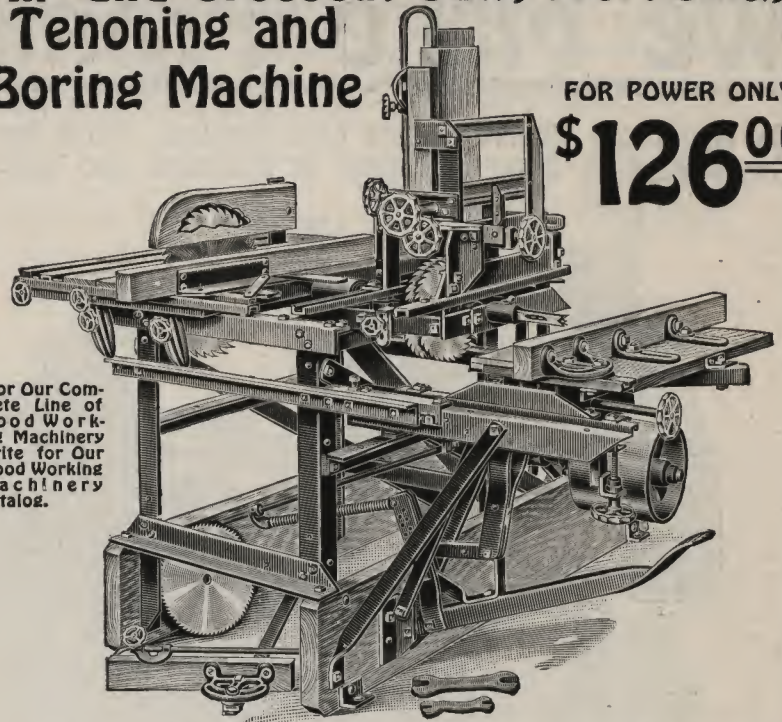
\$4⁹⁰

Especially designed for driving above combination lathe set, but is well adapted for running any other light machinery. Size wheel, 18 1/2 in. with 2 1/4-in. face. Screws furnished for fastening to floor. Shipped from our CHICAGO STORE. Shipping weight, about 80 pounds. No. 99R5640 Price, \$4.90



Rip and Crosscut Saw, Mortising, Tenoning and Boring Machine

FOR POWER ONLY
\$126⁰⁰



For Our Complete Line of Wood Working Machinery Write for Our Wood Working Machinery Catalog.

A large number of carpenters and cabinetmakers who are making a specialty of screen frames, special doors, cupboards, furniture and fine cabinet work that requires a mortise for putting together, have long felt the need of a low priced mortising and tenoning machine. This machine will make mortises from 1/4 inch up and cut both sides of the tenon in one operation. Turns out clean, accurate work of a uniform size, and has close adjustment, which insures the tenon fitting snug into the mortise. This machine is fully guaranteed to turn out satisfactory work.

DESCRIPTION.

Frame. Heavy 2-inch angle steel, securely bolted together. 2x10-inch base timbers, 5 feet long, set 2 feet apart.

Saw Table. Heavy angle and channel steel, ground to a uniformly level and true surface. Height, 2 feet 9 1/2 inches; width, 27 inches; overhangs base on left side 10 1/2 inches. Length, 3 feet. Table is hinged at back to raise or lower for regulating depth of cut. Has opening for a 14-inch saw which will cut up to 5 inches deep.

Tenoning Attachment. Cuts tenons up to 1 3/4 inches wide and up to 3 1/2 inches deep. Thickness of tenon is regulated by collars placed between the saws. Material is held firmly in place by hand wheel clamps. Has side adjustment for cutting tenon the desired distance from the face of the material, and vertical adjustable stop for gauging the length of tenon.

Shipped direct from factory at CINCINNATI, OHIO.

Hollow Chisel Mortising and Boring Attachment. Takes mortising chisels from 1/4 to 3/4 inch and boring bits with 1/2-inch round shank. Makes mortises from 1/4 inch up, and up to 3 inches deep. Furnished with one 3/4-inch hollow chisel mortising bit and one 3/8-inch boring bit.

Rip Guide. Adjustable for ripping any width up to 22 inches. Has wood spring for holding down material.

Crosscut Guide slides in milled groove. Has angle adjustment of 45 degrees and adjustable stop for cutting to lengths.

Saw Mandrel. Double ended, 1 1/2 inches in diameter, 37 3/4 inches long; right and left hand threads—left end, 4 1/4 inches long; right end, 5 1/2 inches long. Takes saws with 1-inch hole.

Shipping Weight	Approximate Floor Space Width	Approximate Floor Space Length	Tight and Loose Pulley	Speed	Power
615 pounds	5 feet by 4 feet 9 inches		10-inch diameter by 4-inch face	550 R. P. M.	2 to 3 H. P.

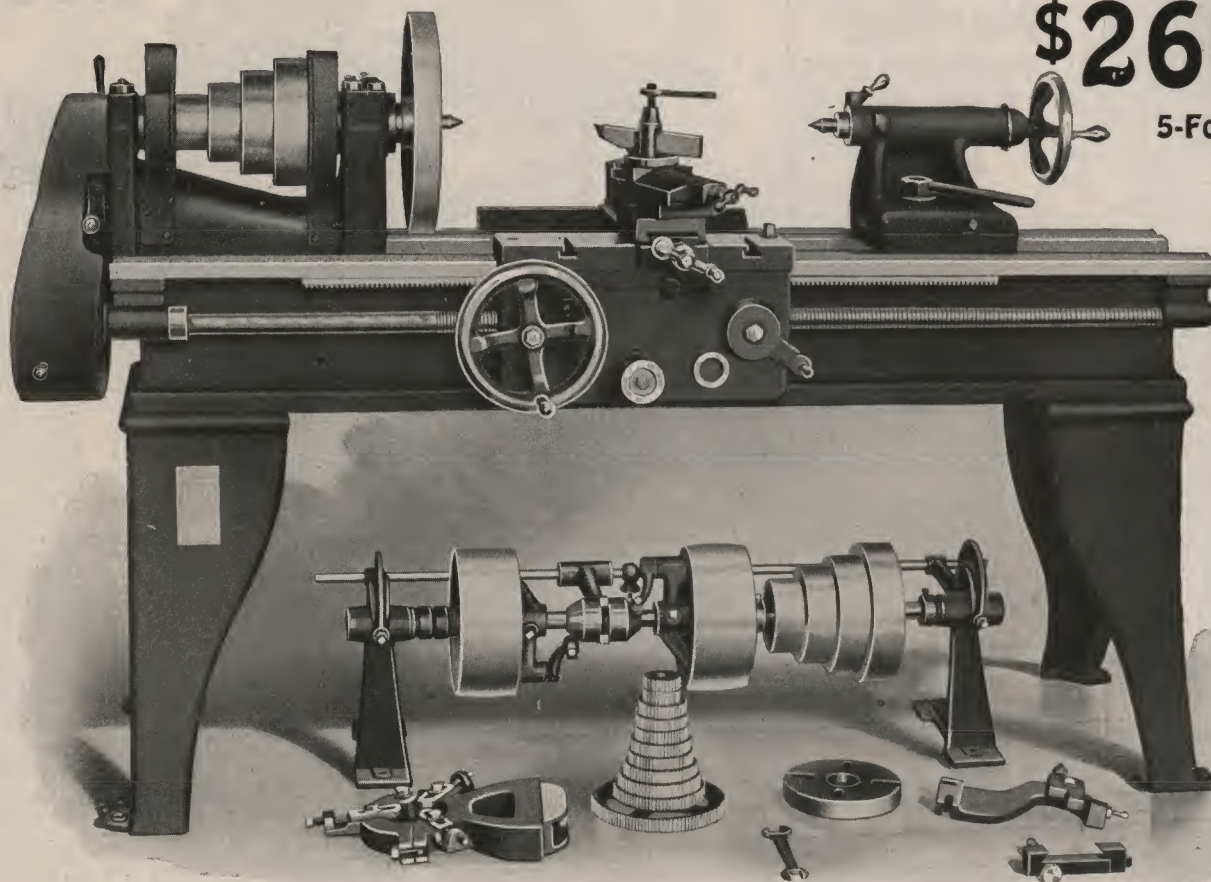
No. 99R8126 1/2 Rip and Crosscut Saw, Mortising, Tenoning and Boring Machine, as illustrated and described, with one 12-inch rip saw, one 10-inch crosscut saw and one 4-inch belt. Price, complete.....\$126.00

We Make Prompt Shipment

On Any Lathe Ordered From This Catalog. Parts Are in Stock at Factory Finished Ready for Assembling as Soon as Order Is Received and Shipment Is Usually Made Within Ten Days.

\$266⁰⁰

5-Foot Bed



13-Inch Expert Screw Cutting Engine Lathe

Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

Equipment Furnished as Illustrated.

A practical lathe for the garage and small machine shop. Blacksmiths and automobile repair men can increase their profits by doing their own lathe work. For medium size work we recommend our 13-inch lathes. For heavy work the 15 and 16-inch sizes will prove more satisfactory.

SPECIFICATIONS.

Bed is rigid. Cross ribbed by heavy box braces cast in at short intervals throughout its entire length. Has three V's and one flat way for guiding headstock, tailstock and carriage. Rack is of steel cut from the solid bar.

Headstock, equipped with reverse. Cone has four steps for 1½-inch belt which, with back gears, gives eight changes of spindle speed. Spindle is of special carbon steel with ¾-inch hole its entire length. Centers are No. 3 Morse taper. Bearings are phosphor bronze with ample oiling facilities and are adjustable for wear.

Tailstock is offset to allow compound rest to swivel parallel to bed and is provided with set-over for turning taper. Tailstock center is self ejecting.

Carriage has T slots for clamping work for milling and boring. Both automatic cross feed and automatic longitudinal feed are oper-

ated from front of apron and but one feed can be engaged at a time. Both feeds are driven by the splined lead screw and work so that the thread of the lead screw is used for screw cutting only.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including 11½ pipe thread.

Graduation. Compound rest is graduated in degrees. Cross feed screw has graduated micrometer collar reading in one-thousandths of an inch.

Equipment (as shown in illustration) is included in the price and consists of large and small face plates, compound rest, two steel centers, center rest, follower rest, change gears, adjustable stop for screw cutting, feed gears, gear guards, necessary wrenches and a double friction countershaft.

Shipped Direct From Factory Near Chicago.

Catalog No.	Swing Over Bed	Length of Bed	Distance Between Centers	Swing Over Carriage	Hole Through Spindle	Opening, Tool Post	Countershaft Speed	Size of Friction Pulley	Shipping Weight	Price
99R8203½	13¼ inches	5 feet	33 inches	9 inches	¾ inch	1½x1½ inches	225 R. P. M.	8x2½ in.	925 pounds	\$266.00
99R8204¾	13¼ inches	6 feet	45 inches	9 inches	¾ inch	1½x1½ inches	225 R. P. M.	8x2½ in.	975 pounds	280.00

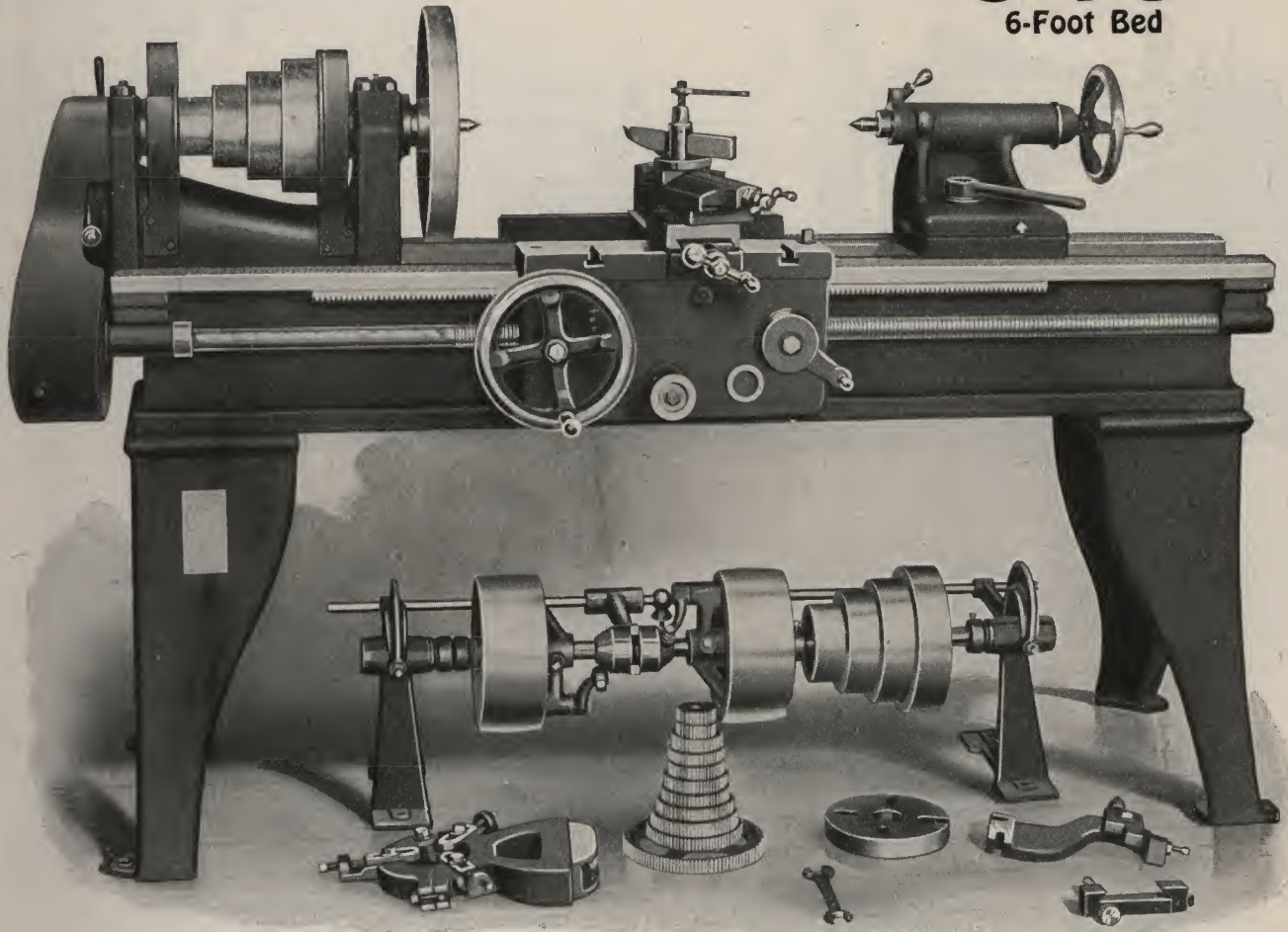
15-Inch Expert Screw Cutting Engine Lathe

Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

Equipment Furnished as Illustrated.

\$345⁰⁰

6-Foot Bed



A popular size lathe for the machine shop and automobile repair shop. In fact, many manufacturers have found it economical to purchase a 15-inch lathe for their smaller size work, thus leaving their heavier lathes free for their heaviest work.

SPECIFICATIONS.

Bed is rigid. Cross ribbed by heavy box braces cast in at short intervals throughout its entire length. Has three V's and one flat way for guiding headstock, tailstock and carriage. Rack is of steel cut from the solid bar.

Headstock, equipped with reverse. Cone has four steps for 1 $\frac{1}{4}$ -inch belt which, with back gears, gives eight changes of spindle speed. Spindle is of special carbon steel with 1 $\frac{1}{4}$ -inch hole its entire length. Centers are No. 3 Morse taper. Bearings are phosphor bronze with ample oiling facilities and are adjustable for wear.

Tailstock is offset to allow compound rest to swivel parallel to bed and is provided with set-over for turning taper. Tailstock center is self ejecting.

Carriage has T slots for clamping work for milling and boring. Both automatic cross feed and automatic longitudinal feed are operated

from front of apron and but one feed can be engaged at a time. Both feeds are driven by the splined lead screw and work so that the thread of the lead screw is used for screw cutting only.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including 11 $\frac{1}{2}$ pipe thread.

Graduation. Compound rest is graduated in degrees. Cross feed screw has graduated micrometer collar reading in one-thousandths of an inch.

Equipment (as shown in illustration) is included in the price and consists of large and small face plates, compound rest, two steel centers, center rest, follower rest, change gears, adjustable stop for screw cutting, feed gears, gear guards, necessary wrenches and a double friction countershaft.

Shipped Direct From Factory Near Chicago.

Catalog No.	Swing Over Bed	Length of Bed	Distance Between Centers	Swing Over Carriage	Hole Through Spindle	Opening Tool Post	Countershaft Speed	Size of Friction Pulley	Shipping Weight	Price
99R8225 $\frac{1}{4}$	15 $\frac{1}{4}$ inches	6 feet	40 inches	10 $\frac{1}{2}$ inches	1 $\frac{1}{2}$ inches	$\frac{7}{16}$ x1 $\frac{1}{4}$ in.	200 R. P. M.	9x3 in.	1,350 lbs.	\$345.00
99R8226 $\frac{1}{2}$	15 $\frac{1}{2}$ inches	7 feet	52 inches	10 $\frac{1}{2}$ inches	1 $\frac{1}{2}$ inches	$\frac{7}{16}$ x1 $\frac{1}{4}$ in.	200 R. P. M.	9x3 in.	1,425 lbs.	\$360.00

READ OUR LIBERAL GUARANTEE ON INSIDE FRONT COVER PAGE.

SEARS, ROEBUCK AND CO.,
CHICAGO.

1021A

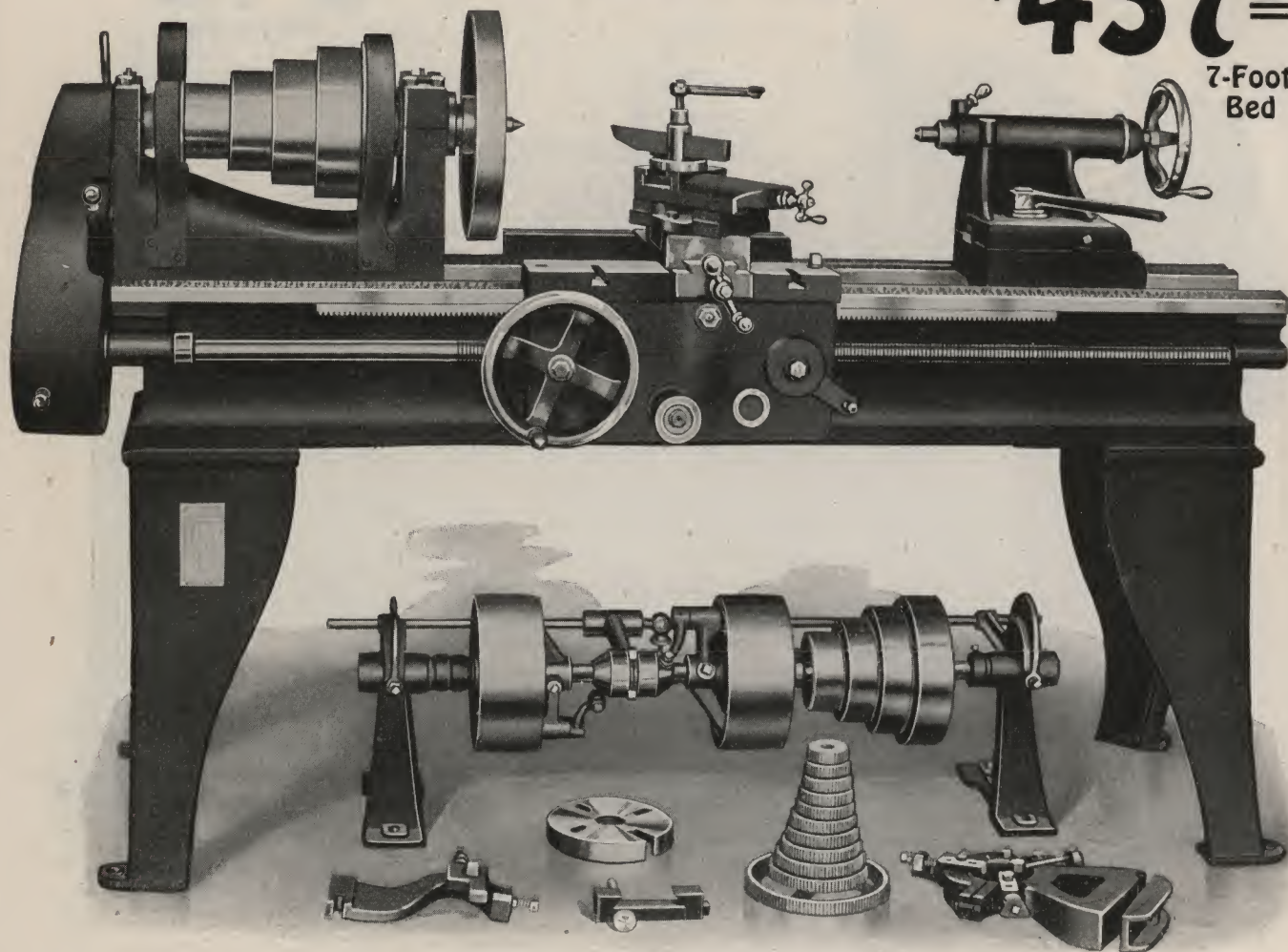
16-Inch Expert Screw Cutting Engine Lathe

Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

Equipment Furnished as Illustrated.

\$437⁰⁰

7-Foot
Bed



A heavy, reliable lathe capable of taking care of all the requirements of the average machine shop. Recommended for manufacturing and general all around repair work.

SPECIFICATIONS.

Bed is rigid. Cross ribbed by heavy box braces cast in at short intervals throughout its entire length. Has three Vs and one flat way for guiding headstock, tailstock and carriage. Rack is of steel, cut from the solid bar.

Headstock, equipped with reverse. Cone has four steps for 2-inch belt which, with back gears, gives eight changes of spindle speed. Spindle is of special carbon steel with $1\frac{1}{16}$ -inch hole its entire length. Centers are No. 3 Morse taper. Bearings are phosphor bronze with ample oiling facilities and are adjustable for wear.

Tailstock is off-set to allow compound rest to swivel parallel to bed and is provided with set-over for turning taper. Tailstock center is self ejecting.

Carriage has T slots for clamping work for milling and boring. Both automatic cross feed and automatic longitudinal feed are operated

from front of apron and but one feed can be engaged at a time. Both feeds are driven by the splined lead screw and work so that the thread of the lead screw is used for screw cutting only.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including $11\frac{1}{2}$ pipe thread.

Graduation. Compound rest is graduated in degrees. Cross feed screw has graduated micrometer collar reading in one-thousandths of an inch.

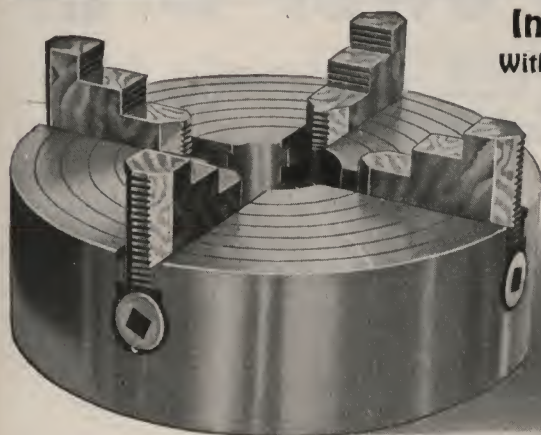
Equipment (as shown in illustration) is included in the price and consists of large and small face plates, compound rest, two steel centers, center rest, follower rest, change gears, adjustable stop for screw cutting, feed gears, gear guards, necessary wrenches and a double friction countershaft.

Shipped Direct From Factory Near Chicago.

Catalog No.	Swing Over Bed	Length of Bed	Distance Between Centers	Swing Over Carriage	Hole Through Spindle	Opening, Tool Post	Countershaft Speed	Size of Friction Pulley	Shipping Weight	Price
99R8229 $\frac{1}{2}$	16 $\frac{1}{4}$ inches	7 feet	48 inches	11 $\frac{1}{4}$ inches	1 $\frac{1}{16}$ inches	$\frac{5}{8}$ x1 $\frac{3}{4}$ inches	180 R. P. M.	10x3 $\frac{3}{4}$ in.	1,700 lbs.	\$437.00
99R8230 $\frac{3}{4}$	16 $\frac{3}{4}$ inches	8 feet	60 inches	11 $\frac{3}{4}$ inches	1 $\frac{1}{8}$ inches	$\frac{5}{8}$ x1 $\frac{3}{4}$ inches	180 R. P. M.	10x3 $\frac{3}{4}$ in.	1,800 lbs.	454.00

ACCESSORIES FOR EXPERT LATHES

Independent Lathe Chucks With Four Independent Reversible Jaws.



This chuck has four solid jaws with half nut, reversible by running out of chuck at the periphery, and turning end for end. The jaws are hardened and have raised and ground steps. The face of chuck is ground true to straight edge and is accurately graduated in inches. Made with hardened steel bearings for the screws. Price includes chuck, chuck plate and wrench.



As all chucks must be fitted to lathes, we do not accept orders for chucks only. When chucks are ordered with lathe we furnish plate and fit same to both chuck and lathe without extra charge, as per prices below.

All Items on This Page Shipped Direct
From Factory Near CHICAGO

Catalog No.	Rated Size of Chuck	Will Hold About	Shipping Weight, About	Price
99R8233	3 1/4 in.	6 in.	12 lbs.	\$23.75
99R8234	4 in.	7 1/2 in.	22 lbs.	26.25
99R8235	5 in.	9 1/2 in.	30 lbs.	30.50
99R8236	6 in.	11 1/2 in.	41 lbs.	32.65
99R8237	7 in.	12 1/2 in.	52 lbs.	35.25

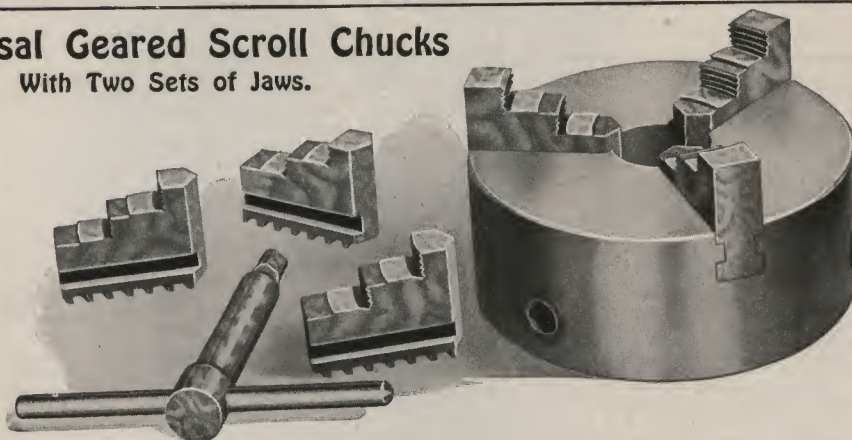
Universal Geared Scroll Chucks

With Two Sets of Jaws.

This style of chuck is used for holding round pieces and is strictly a universal chuck, the jaws being moved simultaneously by the scroll threaded plate. Two sets of jaws are furnished with each chuck, as shown in illustration. Jaws are not reversible. Price includes chuck, chuck plate and wrench.

As all chucks must be fitted to lathes, we do not accept orders for chucks only. When chucks are ordered with lathe we furnish plate and fit same to both chuck and lathe without extra charge, as per prices below.

Catalog No.	Rated Size of Chuck	Shipping Wt., About	Price
99R8243	4 in.	8 lbs.	\$26.25
99R8244	5 in.	12 lbs.	28.25
99R8245	6 in.	22 lbs.	32.65
99R8246	7 1/2 in.	30 lbs.	37.25



Standard Drill Chucks

Hold Round or Square Shanks

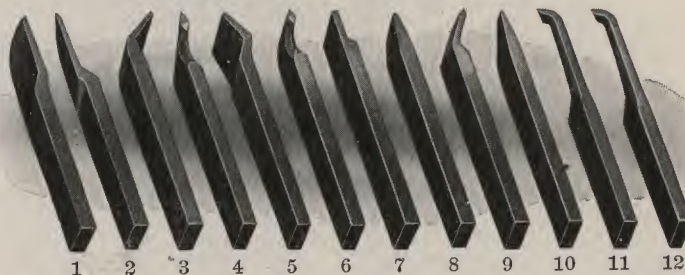


Jaws and screw made of cast steel carefully tempered. The hole in hub is made to fit a taper arbor, the shank of which will fit both head and tail spindles of lathe. Price includes chuck, chuck shank and wrench.

As all chucks must be fitted to lathes, we do not accept orders for chucks only. When chucks are ordered with lathes we furnish chuck shank and fit same to chuck and lathe without extra charge.

Catalog No.	Capacity	Diameter	Shpg. Wt., About	Price
99R8270	0 to 1/2 in.	2 3/16 in.	3 lbs.	\$ 8.50
99R8271	0 to 3/4 in.	2 7/8 in.	4 lbs.	9.75
99R8272	0 to 1 in.	3 1/16 in.	5 lbs.	11.75

Forged Steel Lathe Tools



- | | | |
|-----------------------------|----------------------------|---------------------------|
| 1—Left Hand Side Tool. | 5—Left Hand Diamond Point. | 9—Bent Threading Tool. |
| 2—Right Hand Side Tool. | 6—Round Nose Tool. | 10—Roughing Tool. |
| 3—Right Hand Bent Tool. | 7—Cutting Off Tool. | 11—Boring Tool. |
| 4—Right Hand Diamond Point. | 8—Threading Tool. | 12—Inside Threading Tool. |

The twelve lathe tools shown above have been selected as the most suitable for all around lathe work. Made of tool steel, carefully forged, hardened, tempered and ground, ready for use.

Catalog No.	For	Size of Steel	Length	Weight of Set, About	Price, Set of 12
99R8251	13-In. Lathe	1/2 x 1 in.	7 inches	13 lbs.	\$ 9.75
99R8252	15-In. Lathe	9/16 x 1 1/8 in.	8 inches	19 lbs.	15.75
99R8253	16-In. Lathe	5/8 x 1 1/4 in.	9 inches	25 lbs.	17.25

Lathe Dogs

Made of malleable iron with hardened tool steel set screws.

99R8257—Lathe Dogs. State size wanted.

Size, inches.....	1/4	1/2	3/4	1	1 1/4
Shipping wt., about, lbs.	3/8	1 1/2	3 1/2	5 1/2	11 1/2
Price, each.....	30c	40c	50c	60c	70c
Sizes, inches.....	1 1/2	2	2 1/2	3	4
Shipping wt., about, lbs....	2	3	4	5	7
Price, each.....	80c	90c	\$1.00	\$1.10	



20-Inch "Expert" Power Drill

\$169⁰⁰

Back Geared, Power Feed, Automatic Stop
Simple, Strong, Convenient, Economical

A Modern and Serviceable Tool for Any Shop at a Price Within Your Reach.

Designed So That Every Move Counts.

A Carefully Constructed Machine of High Quality.

Finished in Dark Gray Gloss.

DESCRIPTION

Height of drill.....72 inches
Greatest distance between base and spindle37 inches
Greatest distance between table and spindle25 inches
Travel of spindle.....9 inches
Diameter of spindle in sleeve....1 $\frac{15}{16}$ inches
Spindle socket.....No. 4 Morse Taper Drills to center of 21-inch circle.
Diameter of table.....16 inches
Diameter of column.....5 $\frac{5}{8}$ inches
Travel of table on column.....17 inches
Floor space required.....16x45 inches
Diameter bevel pinion.....3 $\frac{1}{8}$ inches
Diameter of crown gear.....5 $\frac{3}{16}$ inches
Size of cone pulleys:
8 $\frac{7}{8}$, 7 $\frac{1}{4}$, 5 $\frac{5}{8}$ and 4x2 $\frac{1}{4}$ -inch face
Length of belt necessary....12 feet 4 inches
Size of power feed cone pulley:
4 $\frac{1}{16}$, 3 $\frac{1}{16}$ and 2 $\frac{1}{16}$ x1-inch face
Length of belt necessary.....31 $\frac{1}{2}$ inches
Feed of drill per revolution of spindle:
30 $\frac{1}{1000}$, 15 $\frac{1}{1000}$, 5 $\frac{1}{1000}$ inches
Size of tight and loose pulley:
8x2 $\frac{1}{2}$ -inch face
Speed of countershaft.....380 R. P. M.
Horse-power required.....1 $\frac{1}{2}$
Shipping weight, about 800 pounds.

99R8267 $\frac{1}{3}$ —Power Drill, complete as illustrated and described.

Price.....**\$169.00**

Shipped direct from factory near CHICAGO. Shipment usually made in from 5 to 10 days after order is received.

ACCESSORIES FOR Standard Drill Chuck and Shank

\$7⁴⁵



99R5650—Standard Drill Chucks. Capacity, 0 to $\frac{1}{2}$ inch; diameter, 2 $\frac{3}{16}$ inches. Weight about 2 $\frac{1}{2}$ pounds. Shipped from our CHICAGO store.

Price for Chuck only, with wrench... **\$7.45**

\$1⁶⁵



99R5653—Chuck Shank, has No. 4 Morse taper. For fitting Standard Drill Chuck Drill Spindle. Weight, about 1 $\frac{1}{2}$ pound. Shipped from our CHICAGO store.

Price for Chuck Shank only..... **\$1.65**

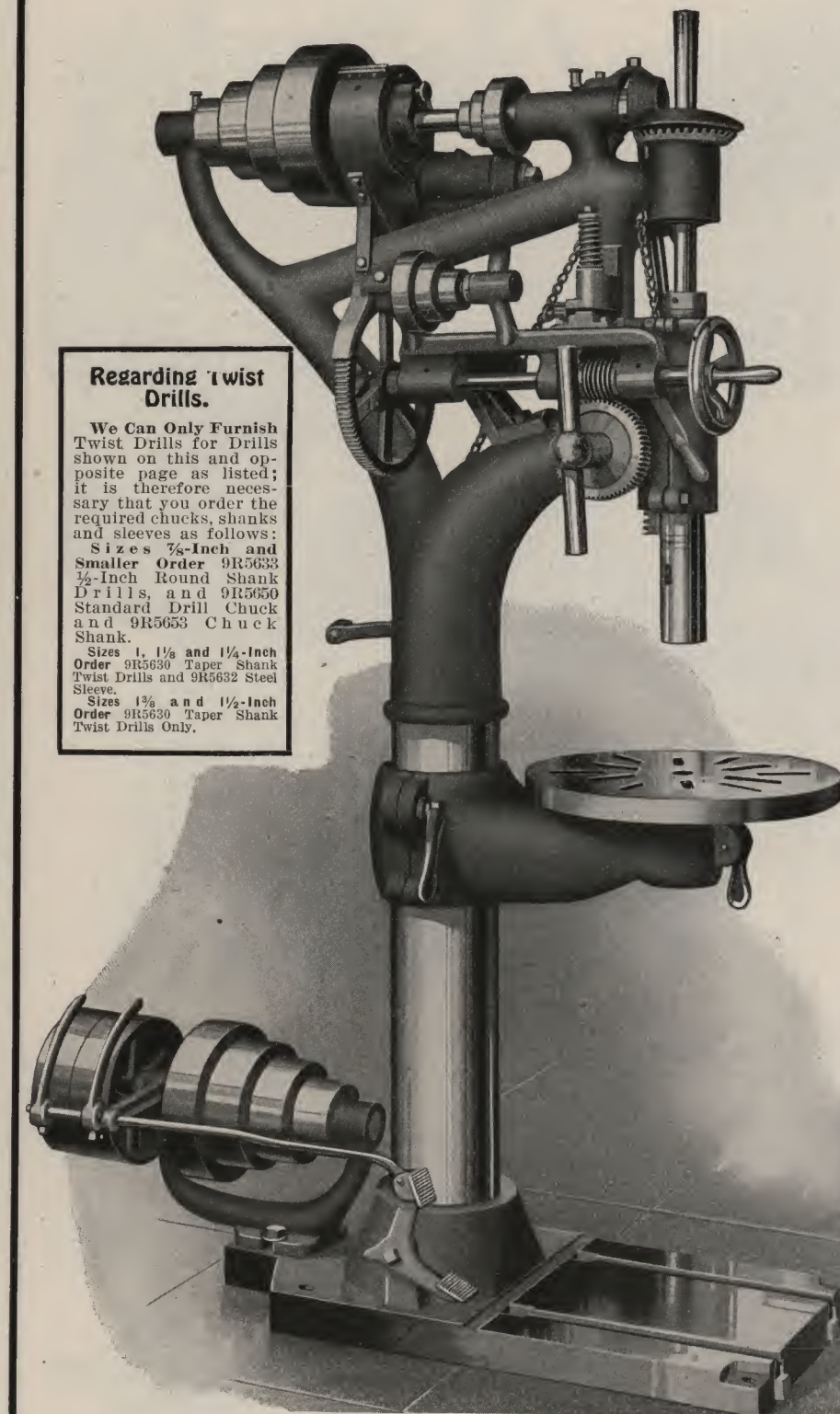
Regarding Twist Drills.

We Can Only Furnish Twist Drills for Drills shown on this and opposite page as listed; it is therefore necessary that you order the required chucks, shanks and sleeves as follows:

Sizes $\frac{3}{8}$ -inch and Smaller Order 9R5633 1 $\frac{1}{2}$ -inch Round Shank Drills, and 9R5650 Standard Drill Chuck and 9R5653 Chuck Shank.

Sizes 1, 1 $\frac{1}{2}$ and 1 $\frac{1}{4}$ -inch Order 9R5630 Taper Shank Twist Drills and 9R5632 Steel Sleeve.

Sizes 1 $\frac{1}{2}$ and 1 $\frac{1}{4}$ -inch Order 9R5630 Taper Shank Twist Drills Only.



20-Inch "Expert" Power Drill

With Hand Lever Feed
A Splendid All Around Drill at Low Cost

\$117⁵⁰

Especially Adapted for the Factory,
Garage and Repair Shop.

All Parts Are Simple, Strong and
Convenient.

Designed, Like Our Other Ma-
chinery, to Do the Most Work With
the Least Power.

Highly Finished in Dark Gray Gloss.

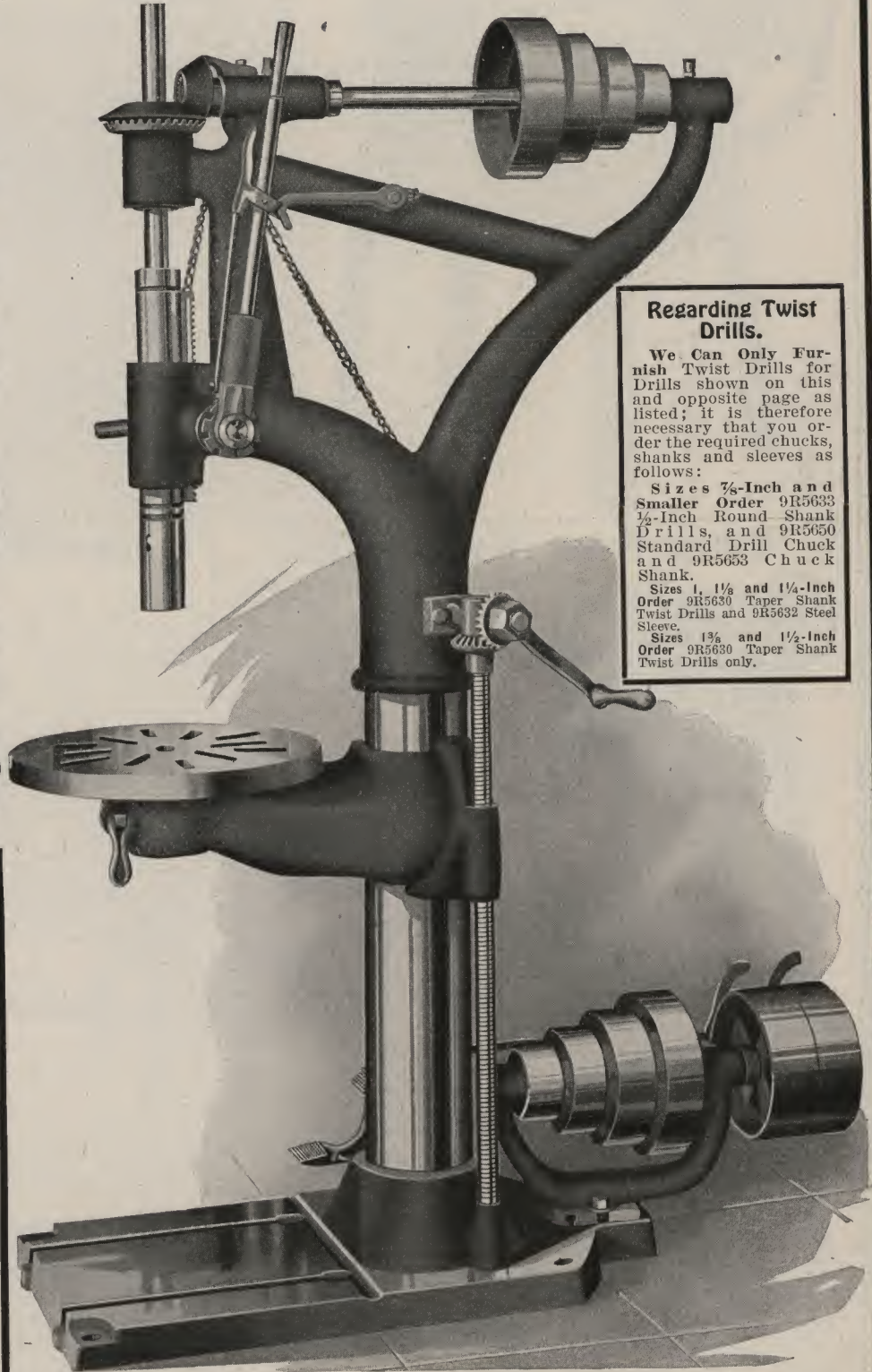
Best of Material and Workmanship
Throughout.

DESCRIPTION

Height of drill.....72 inches
Greatest distance between base
and spindle.....37 inches
Greatest distance between table
and spindle.....25 inches
Travel of spindle.....9 inches
Diameter of spindle in sleeve.....1⁵/₁₆ inches
Spindle socket, No. 4 Morse Taper
Drills to center of 21-inch circle.
Diameter of table.....16 inches
Diameter of column.....5⁵/₈ inches
Travel of table on column.....17 inches
Floor space required.....16x45 inches
Diameter bevel pinion.....3⁷/₈ inches
Diameter crown gear.....3¹/₁₆ inches
Size of cone pulley:
8⁷/₈, 7¹/₄, 5⁵/₈ and 4x2¹/₂-inch face
Size of tight and loose pulley:
8x2¹/₂-inch face
Length of belt necessary...12 ft. 4 inches
Speed of countershaft.....380 R. P. M.
Horse-power required.....1¹/₂
Shipping weight, about 750 pounds.

**99R8259¹/₃—Power Drill, complete as
illustrated and described. \$117.50**

Shipped direct from factory near CHICAGO.
Shipment usually made in from 5 to 10 days
after order is received.



Regarding Twist Drills.

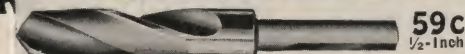
We Can Only Fur-
nish Twist Drills for
Drills shown on this
and opposite page as
listed; it is therefore
necessary that you or-
der the required chucks,
shanks and sleeves as
follows:

Sizes ⁷/₈-Inch and
Smaller Order 9R5633
¹/₂-Inch Round Shank
Drills, and 9R5650
Standard Drill Chuck
and 9R5653 Chuck
Shank.

Sizes 1, 1¹/₂ and 1³/₄-Inch
Order 9R5630 Taper Shank
Twist Drills and 9R5632 Steel
Sleeve.

Sizes 1³/₈ and 1¹/₂-Inch
Order 9R5630 Taper Shank
Twist Drills only.

EXPERT POWER DRILLS Round Shank Twist Drills



59c
¹/₂-Inch

With ¹/₂-Inch Round Shanks.

When ordering ¹/₂-inch round shank twist drills, be sure
to include a 9R5650 Standard Drill Chuck and 9R5653
Chuck Shank, otherwise you will not be able to use these
drills with our Expert Power Drills. Shipped from our
CHICAGO store.

9R5633

Size, inch.....	¹ / ₈	¹ / ₄	³ / ₈	¹ / ₂	⁵ / ₈	³ / ₄	⁷ / ₈
Wt., about, oz.	2	2	3	4	4	8	8
Price, each.....	26c	35c	47c	59c	75c	\$1.00	\$1.28

Taper Shank Twist Drills

\$3.05
¹/₄-Inch



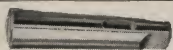
Sizes, 1, 1¹/₂, and 1³/₄-inch have No. 3 Morse taper and
require a 9R5632 No. 3 to 4 Morse taper steel sleeve to fit
spindle socket. Shipped from our CHICAGO store.

9R5630

Size	1 in.	1 ¹ / ₂ in.	1 ³ / ₄ in.	1 ¹ / ₂ in.	1 ³ / ₄ in.
Taper of Shank... No. 3	No. 3	No. 3	No. 4	No. 4	No. 4
Weight, about.....	1 ¹ / ₂ lbs.	1 ³ / ₄ lbs.	2 ¹ / ₄ lbs.	3 ¹ / ₄ lbs.	4 ¹ / ₄ lbs.
Price, each.....	\$1.95	\$2.55	\$3.05	\$3.65	\$4.75

Steel Sleeve

For Taper Shank Drills.



**9R5632—Steel Sleeve, No. 3 to 4 Morse taper for
fitting No. 3 Morse taper drills to No. 4 spindle sockets.**
Weight, about 13 ounces. Shipped from our CHICAGO
store. Price.....\$1.25

We Guarantee Every Article Purchased From Us to Satisfy You Perfectly.

SEARS, ROEBUCK AND CO.
CHICAGO.

1025A

Our Most Popular Washing Machine

The High Speed Wizard, \$15⁷⁵



We have sold thousands of the High Speed Wizard Washing Machines. One of your friends or neighbors no doubt already has one and will be glad to tell you about it. If not, bear in mind that we have sold more High Speed Wizard Washing Machines than of any other brand and that it is the most successful hand operated washing machine we ever sold.

The High Speed Wizard Washing Machine will wash the clothes clean. The inside and bottom of the tub is corrugated. The dolly or dasher rotates a three-quarter revolution each way. This action cleans the clothes very rapidly and thoroughly.

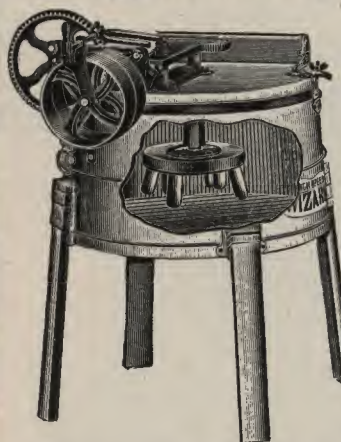
The High Speed Wizard Washing Machine will run easily. The flywheel revolves at high speed when the operating handle is moved back and forth, or up and down, depending on which socket the handle is placed in. The momentum of the high speed flywheel enables you to keep the machine in motion with but little effort. One socket holds the operating handle in just the right position to work while in standing position. The other socket holds the handle in just the right position to work while sitting. This enables you to do a great deal of the washing without being on your feet.

The High Speed Wizard Washing Machine will give good service. By this we mean everything that the term "good service" implies. The tub is made of selected lumber that is especially adapted for making washing machine tubs and is assembled and bound in a substantial manner. The gearing is made from well designed casting molds from machined brass patterns and all gears run on steel shafting, insuring smooth action and easy, quiet running. The parts are interchangeable, and you can get repairs at any time should they be needed. Any part proving defective or giving poor service will be replaced without any charge to you.

Let us prove it. Order a High Speed Wizard Washing Machine and enclose our catalog price. When you receive the washer, try it out for thirty days. Use it every day if you like. If you are not entirely satisfied you can send it back at our expense and every penny you paid out for the machine, including freight and cartage on it, will be returned to you. Full directions furnished so that you will understand how to use the machine even though you never used one before. The tub measures 22³/₄ inches inside diameter at the bottom, 21¹/₂ inches at the top and 12 inches deep inside. Standard family size of six-sheet capacity. Fitted with wringer board to which wringer can be attached. Cover is of two-ply construction, securely hinged to the tub and will not split or warp. Shipped from CHICAGO. Shipping weight, 90 pounds.

44R7513¹/₄—High Speed Wizard Washing Machine. Price.....\$15.75

Wizard Power Washer, \$16⁵⁰



The Wizard Power Washing Machine is a development of the High Speed Wizard Washer, but the working parts are heavier and so arranged that lid can be raised without removing belt from pulley. Has tight and loose pulleys, 8 inches in diameter and 2¹/₂-inch face and an adjustable belt shifter. Should be driven at 175 to 200 revolutions per minute. Hardwood wringer board is provided so hand operated wringer can be attached. Tub is full size, measuring 22³/₄ inches in diameter and 12 inches deep inside and is made of selected lumber. Standard family size of six-sheet capacity. Furnished with complete directions for use. Shipped from CHICAGO. Shipping weight, 95 lbs.

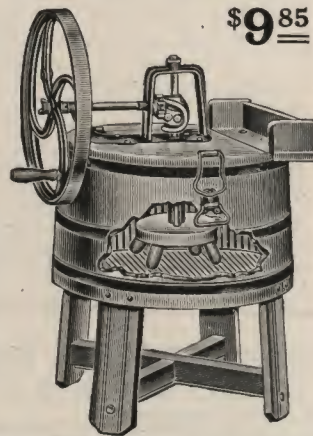
44R7537¹/₄—Wizard Power Washing Machine for engine operation. Price.....\$16.50

Improved Golden Crown Washer

\$9⁸⁵

The old Golden Crown Rotary Washer ranks next to our High Speed Wizard Washer in popularity so far as hand operated machines are concerned and this improved model will be no exception. The improved gearing is more simple in design and contains fewer parts than the old model. The tub is made of selected lumber, measures 23¹/₄x12 inches inside, and is finely finished in natural wood. Gearing is finished in aluminum bronze. Capacity, six sheets. Turning the flywheel continually in one direction causes the dolly inside the tub to turn three-quarter revolution and then automatically reverse. Provided with box to which a hand wringer can be attached. Prompt shipment from factory in NEW YORK or from our CHICAGO store. Shipping weight, 85 pounds.

44R7526¹/₄—Golden Crown Washing Machine. Price.....\$9.85



\$4⁶⁵



44R7530¹/₄—The Quick and Easy Washer is an exceptionally well made machine of this very popular open type. Measures 19x28¹/₂x14 inches inside. Shipped from CHICAGO. Shipping weight, 50 lbs. Price.....\$4.65

Water Power Washing Machine

\$16⁷⁵

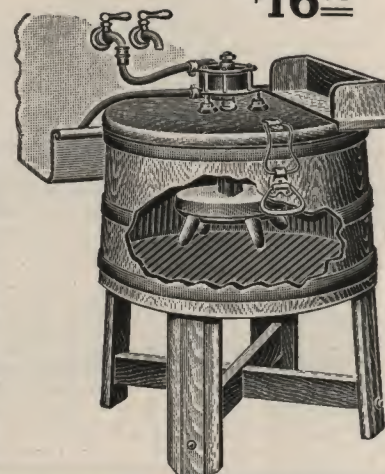
To use a water power washing machine it is necessary that the water in your home be supplied from a pumping system of some kind at a pressure of not less than 15 to 20 pounds to the square inch and a flow of 4 to 6 gallons per minute.

The tub is made of lumber that is especially adapted for washing machine construction and measures 22³/₄ inches in diameter at bottom and 12 inches deep inside. Sides and bottom are corrugated. Wringer box provided for attaching hand wringer. Capacity, six sheets. The dolly slides up and down on the post, according to the quantity of clothes in the tub, and rotates back and forth when the machine is in operation.

The Water Witch Motor is of the gearless type, and is very simple. Inlet hose is provided with a standard hose coupling so machine can be connected to any threaded faucet. Outlet hose has anti-splasher weight, which prevents splashing. Full directions for use furnished with each machine. Shipping weight, 70 pounds. Shipped from our CHICAGO store or factory in NEW YORK STATE.

44R7518¹/₄—Water Witch Water Power Washing Machine. Price.....\$16.75

44R7519—Smooth Faucet Hose Attachment. A device threaded for standard hose coupling and provided with rubber packing that slips on a smooth faucet, enabling you to connect hose to any standard smooth faucet. Price.....65c



Liberty Power Washing Machine

With Swinging Wringer

The most successful power washing machine we ever sold. It is built extra strong in every part so it will stand up under hard use. The tub measures 22 3/4 x 12 inches inside measure, and is made of selected washing machine lumber. It is nicely corrugated inside and is fitted with brass drain faucet threaded so hose can be attached. Standard family size of six-sheet capacity.

The washing is accomplished by the time proved rotary wood dolly movement.

The mechanism is made up of smooth, heavy castings and is simple in design. The drive pulley and gears are mounted on a single large casting securely attached to the steel base. This does away with the necessity of depending on the tub to support the working parts. Raising the lid stops the washing mechanism, thus eliminating the use of clutches or belt shifting devices. But one drive pulley is needed, and this measures 10 inches in diameter, 1 1/4-inch face and should be driven 200 revolutions per minute.

The power driven wringer can be swung into any position so you can wring the clothes from the washer, rinse or bluing tubs. The wringer swings easily and is locked in position by a set screw with hand wheel. Wringer drive is very simple, a slight movement of the lever being sufficient to start, stop or reverse the movement of the 10x1 3/4-inch rolls of extra grade white rubber, securely vulcanized on the shafts. Can be used conveniently with stationary laundry tubs or ordinary tubs placed on a separate bench.

We furnish this washer fitted with an engine of the two-cycle air cooled type, rated at 3/4 horse-power, which has inverted cylinder. Can also be furnished without engine as quoted below. A special geared foot starter is provided which is connected through a system of gears to the crankshaft. One pressure on the foot pedal spins the engine several times and the first pressure usually starts it. All moving parts of engine are enclosed. Lubrication is taken care of by mixing oil with the gasoline. No oil cups to leak and no oil can to fuss with. Engine can be adjusted to run from 500 to 1,400 revolutions per minute while running. We use a 6-inch flanged pulley on the engine and drive the washer with a 1-inch flat belt. This makes a simple, safe and efficient drive that does not require any special knowledge to keep in order. Spark coil and switch are mounted on engine at factory. A short wire from the multiple battery to engine is all the wiring needed and is furnished with the outfit. Muffler is of the automobile type, effectively silencing the exhaust noise.

The Liberty Washer with swinging wringer and attached engine is so simple in design that any woman can start or stop it and keep it in running condition about as easily as she can care for her sewing machine.

44R7546—Liberty Washing Machine with swinging wringer and attached engine. Shipping weight, 275 pounds. Shipped from factory in NORTHEASTERN ILLINOIS. **\$84.75**

Price.....
Exhaust gases from engine should be piped outside with ordinary 3/4-inch iron pipe. Where it is not convenient to use iron pipe, we can furnish gastight flexible metal tubing.

44R7551—Flexible Metal Tubing. Price, per 10-foot length..... **\$2.50**

44R7543 1/2—Liberty Power Washing Machine, as described above, but without engine. Shipping weight, 200 pounds. Shipped from CHICAGO. **\$39.75**

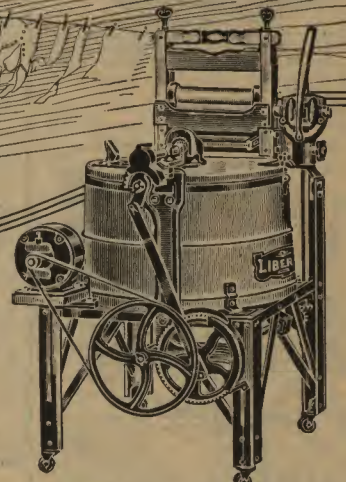
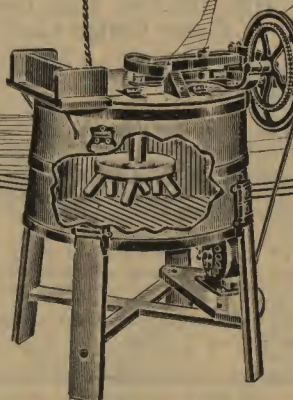
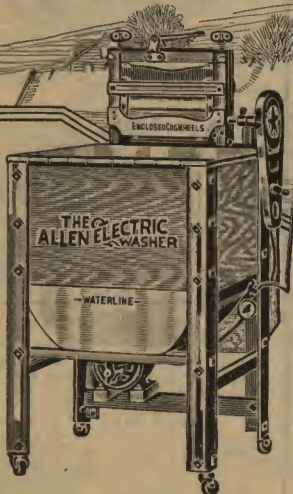
Price.....
44R7544—Extra Steel Bench Size, 14 inches high, 48 inches long, 14 inches wide. Will hold two large washtubs. Weight, 24 pounds. **\$2.95**

Price.....

The Allen Electric Washer

The Wizard Electric Washer

The Liberty Electric Washer



The Allen Electric Washing Machine is of the latest oscillating wood cradle type, so popular in all the big cities, and has met with wonderful success. The clothes are placed in the oval wood cradle, which swings three-quarters revolution back and forth. This dashes the clothes through the suds, cleansing them very rapidly and without wearing or tearing them or even pulling them out of shape, so you can safely wash the finest laces or heaviest blankets. The cradle is removable. Tub is of galvanized iron, hung in a wood frame securely bound together at the corners by the angles which form the legs, and these are fitted with roll easy casters so machine can be easily moved. Clothes do not come in contact with the metal. Brass faucet for draining attached to bottom. Will wash six sheets or their equivalent in other clothes at one filling.

The wringer has 11x1 3/4-inch extra high grade rubber rolls and can be stopped or started in either direction by moving one little lever. Furnished complete with high grade electric motor, cord and attachment plug for connecting with any electric light socket and full directions for the use and care of machine. The machine measures 37 inches high, 24 inches wide and 26 inches long, outside measurements. Shipped from factory in SOUTHERN MICHIGAN. Shpg. wt., 225 lbs.

44R7533 1/2—Allen Electric Washing and Wringing Machine. Price..... **\$98.50**

This is a low priced rotary dolly washer without the wringer, which will give satisfactory service so far as washing is concerned. However, we recommend the Liberty Electric Washer in preference to it, because the Liberty Washer is a stronger machine, has swinging reversible wringer and does away with all the hard work in connection with the washing and wringing of the clothes. While investing in a power washer, why not get one that does it all? Tub of the Wizard Electric measures 22 3/4 x 12 inches inside, is well made of selected washing machine lumber and is nicely corrugated inside. Dolly rotates three-quarters revolution and reverses. Furnished complete with electric motor, cord and plug ready to screw into any electric light socket. Shipped from factory in NORTHEASTERN ILLINOIS. Shpg. wt., 140 lbs.

44R7532 1/2—Wizard Electric Washing Machine. Price..... **\$43.50**

The Liberty Electric Washer is our most popular electric washer. It operates on the time proved dolly principle and has the latest swinging wringer. The tub, made of selected washing machine lumber, measures 22 3/4 x 12 inches inside, has a capacity of six sheets, is fitted with brass drain faucet and is mounted on a well braced steel stand, as shown. The stand is fitted with casters so machine is easily moved, and as it measures only 24 inches square the machine occupies but little room. Wringer has extra quality white rubber rolls, swings in any position and can be started, reversed or stopped by a slight movement of the lever. Wringer is independent of washer movement and motor will operate washer and wringer at the same time, if desired. If you have stationary tubs this is just the machine you want. If you use ordinary tubs your rinse and blue tubs can be placed on any machine you may have, or on the separate steel bench listed in connection with our Liberty Engine Power Washing Machine shown above. Furnished complete with full directions, motor, electric cord and plug ready to connect to any electric light socket. Shipped from factory in NORTHEASTERN ILLINOIS. Shpg. wt., 225 lbs.

44R7555 1/2—Liberty Electric Washer and Wringing Machine. Price..... **\$64.50**

"Protection" Ball Bearing Wringers

\$5⁶⁵

GUARANTEED FOR THREE YEARS.

Enclosed Gears Mean Protection.

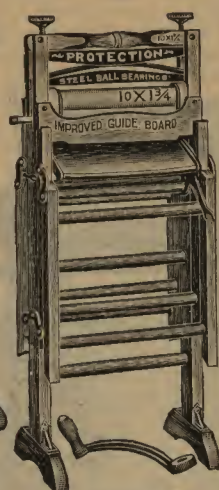
Genuine bargain at our prices and strongly recommended. Rolls are guaranteed for three years and measure 10x1 3/4 inches. Have steel pressure spring, improved wheel top screws. Enclosed gears protect fingers and clothes.

\$7⁶⁵



Our Most Popular Wringer.

99R2031—Hardwood Frame Wringer. Shipping weight, about 30 pounds. Price.....\$5.65



99R2035

Hardwood Frame Bench Wringer. Holds two tubs. Folds into small space. Reversible drain board can be set to drain on either side of wringer. Shipping weight, about 46 pounds. Price...\$7.65

Our "Best Made" Ball Bearing Wringers

GUARANTEED FOR FIVE YEARS.

Large Rolls, Enclosed Gears, Reversible Drain Board. The Reversible Drain Board can be set to drain on either side of wringer.

Rolls, guaranteed for five years, measure 11x1 3/4 inches. Enclosed gears protect fingers and clothes. Have steel pressure spring and improved wheel top screws.



99R2033—Hardwood Frame Wringer, especially suitable for stationary laundry tubs, but clamps also fit any round tub. Shipping wt., about 35 lbs. Price.....\$6.45



99R2036—Hardwood Frame Bench Wringer. Holds two tubs. Folds into small space. Shipping wt., about 48 lbs. Price.....\$8.45

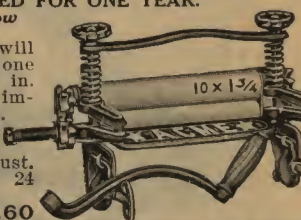
"Acme Star" Wringer

GUARANTEED FOR ONE YEAR.

An Excellent Quality Low Priced Wringer.

With ordinary care will last much longer than one year. Measures 10x1 3/4 in. Has spiral steel springs, improved wheel top screws.

99R2026—Metal Frame Wringer. Galvanized to prevent rust. Shipping weight, about 24 pounds. Price.....\$4.60



Galvanized Washtubs. \$2⁴⁰



Heavy sheet steel, galvanized after tub is formed. Has wringer lugs. Will outwear two of ordinary kind. Shipping weight, about 10 pounds. Cannot be shipped by parcel post.

99R2086—Top diameter, 22 inches depth, 10 1/2 inches. Price.....\$2.40

Galvanized \$1¹⁰ Pails.



Heavy sheet steel, galvanized after pail is formed. Shpg. wt., abt. 4 lbs.

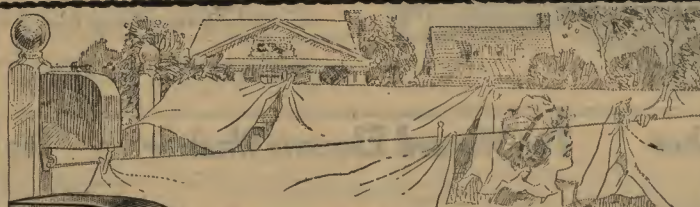
Cap., Qts. Price
99R2096 12 \$0.95
99R2097 14 1.10

Folding Umbrella Clothes Rack With 16 Hardwood Arms.



Convenient for drying napkins, towels and other small articles in the house.

Has japanned metal parts. Sixteen hardwood arms, each 2 feet long, equal to about 32 feet of line. Height, open, 40 inches. Folds into space 6x30 inches when not in use. Shipping weight, about 5 pounds. 99R2074 Price.....\$1.35



Moore Self Winding Clothes Line Reel With 100 Feet High Grade Cotton Clothes Line

Our \$2¹⁵ Price, Only

You already know the convenience of the smaller kitchen clothes line reels.

Then you will truly appreciate the Unusual Labor Saving Features of our Moore Self Winding Outdoor Clothes Line Reel.

The Solution of All Clothes Line Trouble.

Works by means of an easy acting steel spring which automatically winds the line into the steel reel, which is enclosed within the steel case.

KEEPS LINE CLEAN AND FREE FROM DIRT.

Furnished with two sets of spikes for fastening reel in place. For both indoor and outdoor use. Case measures 9 3/4 inches high, 7 1/4 inches wide and 3 3/4 inches thick. Actual weight, 7 pounds. Shipping weight, about 8 pounds.

99R2082—Our price for reel complete with 100-foot line, only.....\$2.15

Easy to Put Up. Easy to Take Down. Keeps Line Clean. Prevents Line From Getting Tangled or Snarled.



33c HANDY KITCHEN CLOTHES LINE. With Locking Device.

Always ready for use. Winds up in metal case that keeps line clean when not in use. Ratchet reel holds line snug and tight; about 33 feet of line. Screw hooks and screws furnished for attaching. Weight, about 12 ounces.

99R2842—Price.....33c

Galvanized Washtubs. \$1⁶⁰



Good quality, strong and durable. Shipping weight, about 8 pounds. Cannot be shipped by parcel post.

99R2084—Top diameter, 21 1/2 inches depth, 10 1/2 inches. Price.....\$1.60

Galvanized 60c Pails.

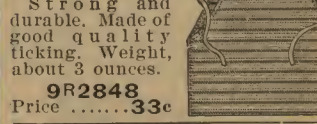
Good quality, full weight. Shipping weight, abt. 2 1/2 lbs.

Cap'ty. Qts. Price
99R2094 12 60c
99R2095 14 70c



Cast Iron Revolving Clothes Line Reel

Screws furnished for attaching. Shipping weight, about 9 pounds. Price.....90c



Clothespin Apron.

Strong and durable. Made of good quality ticking. Weight, about 3 ounces.

99R2848 Price.....33c

5c Japanned Iron Clothes Line Hook.

With screws. Wt., about 3/4 lb. 99R2850—Price.....5c

Standard Clothespins.

Standard pattern. Good quality pin that will give satisfactory service. Shipping weight, about 4 pounds. 99R2076—Per box of 200.....2.40

Holdfast pattern. Galvanized steel. Shipping weight, about 2 lbs. 99R2844—Half gross.....1.95 99R2846—Per gross.....2.40

"Ideal" Rope Clothes Line. 88c



Good quality cotton, smoothly braided, 1/4 inch. Weight, about 1 1/4 pounds.

99R2836—Price, per 100 feet.....88c

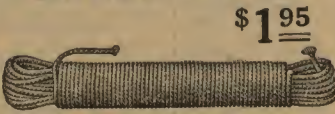
Rope Clothes Line. 95c



1/4-Inch Manila Clothes Line. Weight, about 1 1/4 lbs.

99R2838 Per 100 feet.....95c

"Best Made" Clothes Line. \$1⁹⁵



High Grade Braided Cotton Clothes Line. Unusually strong, smoothly braided, 1/4-inch diameter. Weight, about 2 1/2 pounds.

99R2834—Per 100 feet...\$1.95



Solid Brass Washboard. With Truss Back.

Large rubbing surface, size 10½x11 inches, of sheet brass with improved corrugated cable crimp, protector top and open back. Shipping weight, about 2½ pounds.

99R2052—Price.....76c

DOUBLE ZINC WASH- BOARD.

Globe crimp on one side, plain crimp on the other. Protector top. 10½x11-in. rubbing surface. Shpg. wt., 3 lbs.

99R2051—Price.....62c

SINGLE ZINC WASH- BOARD.

Globe crimp. 10½x11-inch rubbing surface. Shpg. wt., 2½ lbs.

99R2050—Price.....48c

Mrs. Potts Pattern Nickel Plated Sadirons.

Extra quality nickel plated sadirons. Set includes one 5½-lb. and one 5¼-lb. regular irons and one 4-lb. polishing iron, one detachable handle and stand, as illustrated. Shipping weight, about 16 pounds.

99R2003—Price, per set.....\$1.45

MRS. POTTS PAT- TERN SADIRONS.

Standard quality irons, similar to above, polished, but not nickel plated. Shpg. wt., 16 lbs.

99R2002—Set.....\$1.35

EXTRA HANDLES

For Mrs. Potts Pattern Sadirons, wood grip. Weight, about 9 ounces

99R2832—Price, 10c

99R2003 \$145

Mrs. Potts A Set
Nickel Plated Sadirons

"Stand-Fast" Ironing Board. With Folding Steel Frame.

Does not creep or wobble. Collapsible frame is strong, rigid and folds up when not in use, taking very little space. The large, roomy ironing surface is 14 in. wide by 57 in. long and stands 32 in. from floor. Shpg. wt., about 30 lbs. Cannot be shipped by parcel post.

99R2060—Price...\$3.40

For ironing board covers see page 417.

Our "Best Made" Solid Copper Wash Boiler.

Extra well made. The kind of boiler to buy when service and durability are desired. Extra heavy, solid copper wash boiler. Large size, about 23½x12x12 inches high, inside measurements. Tinned on the inside with block tin. Heavy steel wire rod around top and corrugation of sides add to the strength of boiler. Double seamed and guaranteed not to leak. Stationary wood grip handles. Cover is unusually strong and is made from one piece of copper plated steel with rigid wood handle. Shipping weight, about 16 pounds. Cannot be shipped by parcel post.

99R2045—Price.....\$6.25

99R2045
Our
"Best
Made"
Solid
Copper
Wash
Boiler.
\$6.25

Set of 3 Common Pattern 7-Lb. Sadirons. \$1.35



Old style irons of good quality and finish, with a modern ventilated handle. Shipping weight, about 22 pounds.

99R2000—Price, per set, with stand.....\$1.35

"Sensible" Gas Irons.



A well made iron that is economical in the use of gas and that gives entire satisfaction. 6-pound size, nickel plated, with stand and flexible hose. Shpg. wt., 7½ lbs. These irons cannot be used with acetylene or gasoline gas.

99R2012—For manufactured gas (commonly known as artificial gas). Price...\$2.10

99R2011—For natural gas. Price.....\$2.10

Majestic Electric Iron.



With 6 feet of cord and plug for attaching to any electric lamp socket. Nickel plated steel body; blue steel base. Cool ebony finish wood handle. Operates from any electric light current with the usual city current of 105 to 115 volts.

6R8038 Price.....\$5.95

For full line of electric irons see page 1248.

Solid Copper Wash Boilers.



Standard high quality solid copper wash boilers. Made of heavy polished sheet copper, tinned on the inside. Drop handles, wired around the top and double seamed to prevent leaking. Tin cover.

99R2043—No. 8. Size, about 20½x10x12½ inches high, inside measurements. Shpg. wt., 13 lbs. Price...\$5.20

99R2044—No. 9. Size, about 21½x11½x12 in. high, inside measurements. Shpg. wt., about 14 lbs. Price...\$5.70

\$2.55 Nickel Plated Sadirons.

A SET Sheet Asbestos Lining.

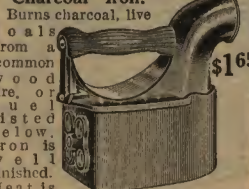


Sheet asbestos lining holds the heat, economizes fuel. Irons are polished, then nickel plated. Shipping weight, about 19 pounds.

99R2005—Price, complete set.....\$2.55

99R2830—Extra handle. Wt., about 12 oz. Price...\$1.18

Charcoal Iron.



Burns charcoal, live coals from a common wood fire, or fuel listed below. Iron is well finished. Heat is easily regulated by damper. Shpg. weight, about 9 pounds.

99R2006—Price...\$1.65

Specialty Prepared Fuel for Charcoal Iron.

Size of bricks, 7½x2½x1¼ inches. Shpg. wt., per box, 7½ lbs.

10R3760¼—Price, per box of 1 dozen bricks.....59c

\$1.45 16-Lb.

Tailors' Goose.

99R2014 State weight.

Wt., Abt. Price

12 lbs. \$1.10

16 lbs. 1.45

20 lbs. 1.80

\$17.20



Every woman knows that proper laundry equipment makes washday so much easier. The "Home Pride" is strictly a high quality outfit, each piece carefully selected for its utility. Don't waste your strength trying to work with wornout, incomplete laundry equipment. Buy a complete outfit and accomplish more with less effort. Shipping weight, about 90 pounds. Cannot be shipped by parcel post.

99R2080—Price, for complete outfit, as illustrated.....\$17.20

Copper Rim and Bottom Tin Wash Boilers. \$2.55

One of the best low priced boilers made. Full size. Drop handles. Very serviceable boiler.

99R2041

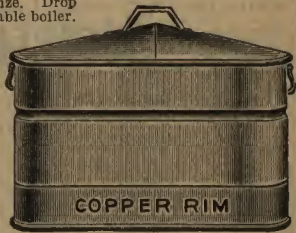
No. 8. Size, about 20½x10x12½ inches high, inside measurements. Shipping wt., about 12 pounds.

Price.....\$2.55

99R2042

No. 9. Size, about 22½x11½x12½ inches high, inside measurements. Shipping wt., about 14 pounds.

Price.....\$2.95



Copper Bottom Tin Wash Boilers. \$2.05

Full size, double seamed. Drop handles.

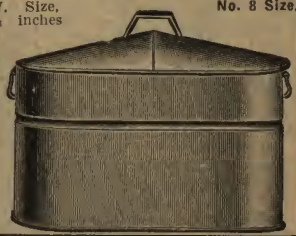
99R2037—No. 7. Size, about 18x9½x12½ inches high, inside measurements. Shpg. wt., abt. 9 lbs. Price...\$1.85

99R2038

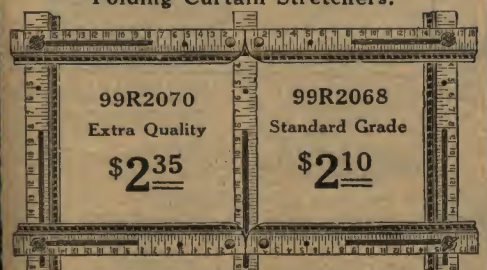
No. 8. Size, about 20½x10x12½ inches high, inside measurements. Shpg. wt., abt. 11 lbs. Price...\$2.05

99R2039

No. 9. Size, about 21½x11½x13 inches high, inside measurements. Shpg. wt., abt. 14 lbs. Price...\$2.35



Folding Curtain Stretchers.



99R2070

Extra Quality

\$2.35

99R2068

Standard Grade

\$2.10

Extra quality curtain stretchers, made of selected basswood, 2 inches wide. Extends to 6x12 feet. Sides, ends and center brace have measuring rule. Center brace prevents sagging. Fitted with movable nickel plated brass pins. Japanned steel frame connections. Cannot be shipped by parcel post.

99R2070—Shipping wt., about 9 lbs. Price...\$2.35

99R2068—Standard grade, same as above, except frame is 1½ inches wide. Shipping weight, about 8 pounds.

Price.....\$2.10

99R2066—Extends to 6x12 feet. Rule of basswood with center brace. Rods have measuring rule. Nickel plated stationary pins, 1 inch apart. Stamped steel frame connections. Shipping weight, about 7 lbs. Cannot be shipped by parcel post.

Price.....\$1.35

"Home Pride" Laundry Outfit.



Every woman knows that proper laundry equipment makes washday so much easier. The "Home Pride" is strictly a high quality outfit, each piece carefully selected for its utility. Don't waste your strength trying to work with wornout, incomplete laundry equipment. Buy a complete outfit and accomplish more with less effort. Shipping weight, about 90 pounds. Cannot be shipped by parcel post.

99R2080—Price, for complete outfit, as illustrated.....\$17.20

Wisconsin Pattern Riveted Milk Cans.

\$5.65

8-GAL.

We recommend these cans for wagon use, but for shipping purposes we recommend our One-Piece Seamless or our Silver Steel Cans. Made of smooth sheet steel, double seamed and riveted throughout. Neck and bowl drawn in one piece. Breast is joined to body in such a manner as to form a very strong and rigid edge. Heavy steel bottom is riveted to body. Wisconsin pattern cans are tinned and retinned, and inside seams are soldered, have full rounded breast and bottom and are easily cleaned.



99R2502 10-gallon size. Shpg. wt., about 16 lbs. Price\$5.90
99R2501 8-gallon size. Shpg. wt., about 15 lbs. Price\$5.65
99R2500 5-gallon size. Shpg. wt., about 12 lbs. Price\$4.60

"BABCOCK PATTERN" STANDARD HIGH SPEED MILK TESTING OUTFITS.

Many states now require a license of every person who operates a Babcock Tester for commercial purposes. Illustration shows 4-bottle size for milk and cream. These Milk Testers tell the exact quality of each cow's milk.



A tester is absolutely necessary when buying cows, as the quantity of milk a cow gives is not always an index of the value of the cow. Price includes bottle of acid, test bottles, brush, acid measure, pipette and simple directions for making tests. Cannot be shipped by parcel post.
99R2573—4-bottle size for milk and cream...\$4.95
99R2571—2-bottle size for milk and cream...4.50
99R2572—4-bottle size for milk. Price.....4.65
99R2570—2-bottle size for milk. Price.....4.15
EXTRA GLASSWARE FOR BABCOCK TESTERS.
99R2882—50 per cent Cream Bottles. Each...22c
99R2884—10 per cent Milk Bottles. Each...21c
99R2886—100 of 1 per cent Skim Milk Bottles. Each...80c
99R2888—17.6-18C.C. Pipettes. Each...18c
99R2890—17.5C.C. Acid Measures. Each...9c

Flint Glass Milk Bottles.

Good quality clear glass. Uniform in size and properly annealed to insure toughness and strength. Smoothly finished inside and out. Will stand a great deal of rough handling.



80c PER DOZEN Quarts. Shipping wt., per 6 doz., about 135 lbs.
99R2579 Per doz. .80c
99R2582 Per crate of 6 dozen ...\$4.55
70c PER DOZEN Pints. Shipping wt., per 6 doz., about 85 lbs.
99R2578 Per doz. .70c
99R2581 Per crate of 6 dozen ...\$3.95
60c PER DOZEN Half pints. Shipping wt., per 6 doz., about 62 lbs.
99R2577 Per doz. .60c
99R2580 Per crate of 6 dozen ...\$3.35

\$15.20 Waterproof Milk Bottle Caps.

First quality paraffined both sides. Fit any standard size bottle. Barrel of 50,000 caps. Not to be shipped by parcel post.



99R2585—In barrels containing 50,000 caps. Shpg. wt., abt. 125 lbs. Price \$15.20
99R2587—In baskets containing 6,000 caps. Shpg. wt., abt. 2 1/2 lbs. Price \$2.10
99R2892—In packages containing 1,000 caps. Wt. abt. 2 1/2 lbs. Price .36c

BRISTLE MILK BOTTLE BRUSHES.

Bristles securely fastened. Stiff tampon tufts for cleaning corners and bottom. Lgth., 16 in. Wt., abt. 2 oz. 99R2876—Price. 15c

Silver Steel Elgin Pattern R. R. Milk Cans. \$7.30

A SANITARY MILK CAN, ONE OF THE BEST AND MOST POPULAR PATTERNS ON THE MARKET.

Built of heavy steel plate, seamed and riveted, heavily flanged and soldered so as to leave no crevices or corners to collect germs and dirt. Body and bottom rest on heavily flanged bottom hoop and are solidly riveted together. (See illustration.)

Silver Steel Cans are rigid and stiff and will stand hard usage. They are sanitary cans. Breast and bottom are full rounded which makes cleaning easy. Silver Steel Cans are guaranteed to give satisfaction.



99R2506 5-GALLON SIZE Shipping wt., about 13 pounds. Price\$5.60
99R2507 8-GALLON SIZE Shipping wt., about 20 pounds. Price\$7.30
99R2508 10-GALLON SIZE Shipping wt., about 21 pounds. Price\$7.95

Improved Dilution Cream Separators

\$3.65 Separates cream from milk in three to four hours; gives sweet diluted milk, which is far superior to sour milk as stock food. Saves several hours waiting for cream to rise. As water mixes with milk, cream separates and rises to top; this can be watched through gauges. Heavy tin, securely seamed and soldered. Enameled on outside. Prices include tin tubes, strainer, faucet and legs. Cannot be shipped by parcel post.



Capac. Shpg. Wt. Price
ity, Gal. Abt. Lbs.
99R2550 10 14 \$3.65
99R2551 14 16 4.25
99R2552 18 18 4.85
99R2553 21 20 5.15
99R2554 24 22 5.45
99R2555 32 32 5.95

FOR DAIRY THERMOMETERS SEE PAGE 744.

Economical Double Can Separators. \$5.05

Separates cream from milk in four to six hours in warm or cold weather. Removable inner can makes cleaning easy. Has glass gauges. Gives pure, undiluted milk. Inner can heavy tin. Outer can galvanized iron. Cannot be shipped by parcel post.



Capac. Shpg. Wt. Price
ity, Gal. Abt. Lbs.
99R2562 4 16 \$4.65
99R2563 6 18 5.05
99R2564 8 19 5.90
99R2565 10 22 5.95
99R2566 12 25 6.45
99R2567 15 28 6.95

Our "Improved" Milk Cooler and Aerator.

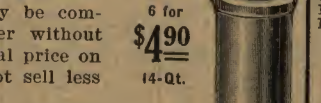


\$6.35 Draws out all the animal odors and stops the growth of bacteria in new milk. Used with either cold running water or with ice water. Heavy tin plate with galvanized steel bottom, painted inside. Prices include double cheesecloth strainer, spring pins and stirring ladle. Cannot be shipped by parcel post.

Size No. Receiver Holds For Cows Lbs. Price
99R2532 2 18 quarts 5 to 25 30 \$6.35
99R2533 3 34 quarts 25 to 50 35 7.65
99R2534 4 52 quarts 50 to 100 40 9.15

Lock Cover Cream Setting Cans.

Self locking covers. May be completely submerged in water without leaking. We quote a special price on lots of six cans and do not sell less quantities.

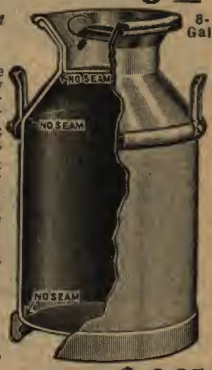


Capacity, Shpg. Wt., Price
About About
14 quarts 20 lbs. Six for \$4.90
20 quarts 26 lbs. 6.10

Extra Heavy One-Piece Seam- \$9.85 less Milk Cans.

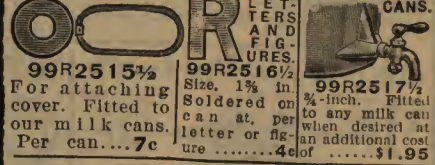
Meet All Requirements of Food Experts and Health Commissions.

Drawn from a single piece of sheet steel and heavily retinned inside and outside. Not one seam anywhere. The bottom, body, breast, neck and bowl of can are all one piece of steel, reinforced outside at bottom, breast and top by a heavy rim which is securely welded to the can (no holes or rivets in the can) and guaranteed not to come off. A very durable milk can that will last for years. Furnished complete with seamless cover. Every can is full capacity and guaranteed satisfactory in use.



NOTE THE WEIGHTS.
99R2512—Capacity, 5 gallons. Shipping weight, about 18 pounds. Price.....\$ 8.35
99R2513—Capacity, 8 gallons. Shipping weight, about 24 pounds. Price.....9.85
99R2514—Capacity, 10 gallons. Shipping weight, about 29 pounds. Price.....10.35

MILK CAN LINKS, COPPER MILK BRASS FAUCET AND WASHERS.



99R2515 1/2 For attaching cover. Fitted to our milk cans. Per can...7c
99R2516 1/2 Size, 1 1/2 in. Soldered on can at, per letter or figure additional cost of4c
99R2517 1/2 3/4-inch. Fitted to any milk can when desired at additional cost of\$1.95

Milk Can Strainer.

Heavy tin. Bowl is seamless, 10 1/2 inches across top with 4 1/2-inch brass strainer cloth. Weight, about 15 ounces. 99R2896—Each...87c



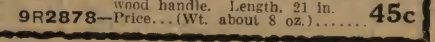
SANITARY STRAINER PAILS, HEAVY TIN DAIRY PAILS, TIN DAIRY PAILS.



1.80 14-qt. 99R2900 Extra quality heavy tin. Steel cars and brass strainer. Sanitary, easily cleaned. State size. Actual Wt., Cap'ty Lbs. Price 12 qts. 3 1/4 \$1.70 14 qts. 3 3/4 1.80
95c 14-qt. 99R2907 Extra quality heavy tin, seamed and soldered. State size. Wt., Cap'ty Lbs. Price 10 qts. 3 1/4 75c 12 qts. 3 3/4 85c 14 qts. 3 3/4 95c
45c 12-qt. 99R2903 Good quality tin, seamed and soldered. State size. Actual Wt., Cap'ty Lbs. Price 10 qts. 1 3/4 40c 12 qts. 1 3/4 45c 14 qts. 2 50c

45c SANITARY MILK CAN BRUSH.

The correct shape for cleaning milk cans thoroughly. Pure bristles held securely between the twisted wire frame and guaranteed not to pull out. Black hardwood handle. Length, 21 in. 99R2878—Price...\$4.50 (Wt. about 8 oz.)



Household or Family Scales



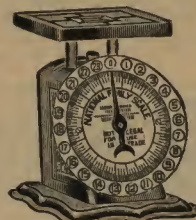
24-POUND CAPACITY.

Family Spring Scale.

Good Quality Scale, made of sheet steel, light blue finish, dial has glass front, white tile platform. Capacity, 24 pounds by ounces. Shipping weight, about 6 pounds.

99R2784—Price.....\$2.90

Scales of this type are not legal for use in trade, but for ordinary weighing they will be found very handy and entirely satisfactory for use in the home. Made of sheet steel. We sell many thousands every year.



\$2.20

Family Spring Scale.

24-Pound Capacity. Has steel body and platform, steel spring, white finished dial. Capacity, 24 pounds by ounces. Not made with scoop. Shipping weight, about 4 lbs.

99R2781—Price.....\$2.20

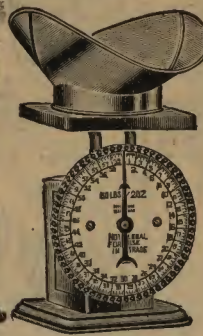


\$2.65

Family Spring Scale.

With Tin Scoop and Extra Tare Hand. 24-Pound Capacity. Gives weight separately of a scoop and articles weighed. Scale can also be used in the ordinary way. Has steel body and platform. Capacity, 24 pounds by ounces. Shipping weight, about 5 1/2 pounds.

99R2786—Price.....\$2.65



\$3.80

General Purpose 60-Pound Spring Scale.

Large strong scale with tin scoop. Body is heavy sheet steel, black finish. Springs are tempered steel. Has double platform supports. Capacity, 60 pounds by 2 ounces. Shipping weight, about 9 pounds.

99R2785—Price.....\$3.80

BUTTER In 3 Minutes! The "Holstein" Butter Reaper

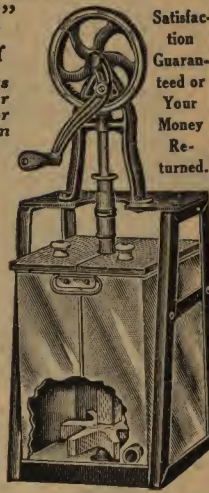
Our Price, \$4.80

Satisfaction Guaranteed or Your Money Returned.

By Actual Tests Makes Butter From Sweet or Ripened Cream in From

3 to 5 Minutes.

The peculiar construction of the dasher gives a violent action to the cream and, without breaking their granular form, quickly extracts all the butter fat particles, forming solid first quality butter in from three to five minutes' time.



Save Your Time! Save Your Strength!

Why waste valuable time using the old time slow and hard method of churning when by using modern methods you can obtain better results in but a few minutes' time.

Churn is light in weight and easy running. Can made of heavy tin plate and holds 3 1/2 gallons. Churns up to 1 1/2 gallons. Shipping weight, about 21 pounds.

99R2591—Price.....\$4.80

"Success" Power Barrel Churns.



Well made of seasoned oak. Tight fitting cover. Full directions furnished. Furnished with 12-inch tight and loose pulleys which take a 2-inch belt. Shipped direct from factory near CHICAGO. Shipment usually made in from 5 to 10 days after order is received. Cannot be shipped by parcel post.

	Shpg. Wt.	Churns Wt.	Holds Up to Lbs.	Price
99R8348 1/3	15 gal.	7 gal.	60	\$9.40
99R8349 1/3	20 gal.	9 gal.	70	\$10.10
99R8350 1/3	25 gal.	12 gal.	80	\$11.60
99R8351 1/3	35 gal.	16 gal.	100	\$12.90

10-Gal. Cedar Cylinder Churns.

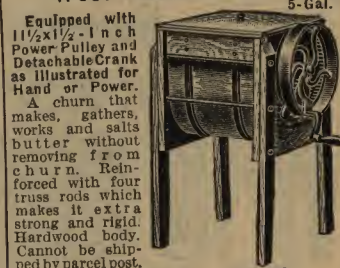


Easy to turn, agitates cream violently, makes butter quickly. Made of clear straight grained cedar. Cannot be shipped by parcel post.

No.	Shpg. Wt.	Churns Wt.	Holds About Gal.	Price
99R2613	1	3 gal.	2 1/2	\$3.90
99R2614	2	4 gal.	3 1/2	\$4.60
99R2615	3	7 gal.	4	\$5.40
99R2616	4	10 gal.	5	\$6.15

For Dairy Paper See Page 626.

"High Speed" Rotary Wood Churn.



	Shpg. Wt.	Churns Wt.	Holds About Gal.	Price
99R2605	5 gal.	3 gal.	40	\$6.95
99R2606	7 gal.	4 gal.	45	\$7.45
99R2607	10 gal.	6 gal.	50	\$7.95
99R2608	12 gal.	7 gal.	55	\$8.45

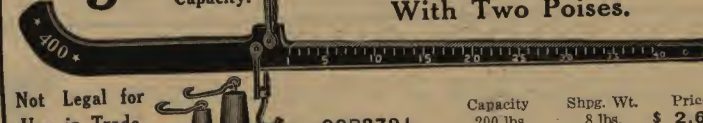
Old Reliable Star Barrel Churns.



Easy to operate and keep clean. Churns quickly and gets all the butter. Barrels made of oak. Cover fits tight and will not leak. Fasteners are attached to outside of churn and clamp the cover with a compound lever action. Full directions furnished with each churn. Cannot be shipped by parcel post.

	Shpg. Wt.	Churns Wt.	Holds Up to Lbs.	Price
99R2592	6 gal.	3 gal.	29 lbs.	\$4.35
99R2593	10 gal.	5 gal.	33 lbs.	\$4.95
99R2594	15 gal.	7 gal.	41 lbs.	\$5.65
99R2595	20 gal.	9 gal.	47 lbs.	\$6.45
99R2596	25 gal.	12 gal.	70 lbs.	\$7.65
99R2597	35 gal.	16 gal.	80 lbs.	\$8.90

400-Lb. Capacity.



Not Legal for Use in Trade. Heavy strong beam for rough weighing. Plainly marked on both sides. Will weigh to full capacity.

99R2791—Price.....\$2.65
99R2793—Price.....\$2.65
99R2794—Price.....\$2.65
99R2795—Price.....\$2.65

Scale Beams With Two Poises.

Capacity	Shpg. Wt.	Price
200 lbs.	8 lbs.	\$2.65
400 lbs.	20 lbs.	\$5.20
600 lbs.	32 lbs.	\$6.90
1,000 lbs.	55 lbs.	\$12.00

\$6.95 BUTTER WORKER Philadelphia Pattern.



Standard grade, easy to operate. Works a batch of butter in three to five minutes. Cannot be shipped by parcel post.

	Works, Shpg. Wt.	Lbs. Abt. Lbs.	Price
99R2540	14x23	10	\$5.95
99R2541	17x27	20	\$8.95
99R2542	20x36	30	\$9.95
99R2543	23x36	50	\$9.95

Cast Aluminum Butter Ladle.

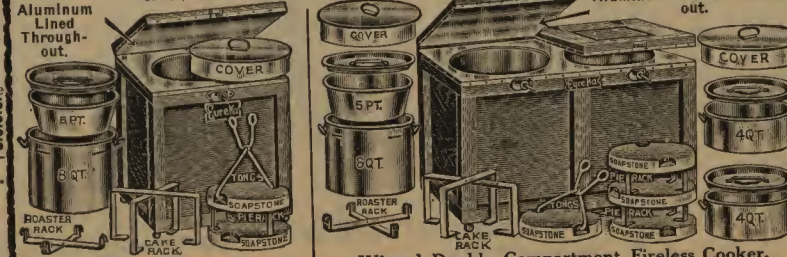


Size, 3x8 inches. Weight, about 3 ounces. 9R2310—Price.....40c

ALUMINUM LINED FIRELESS COOKERS WITH ALUMINUM COOKING UTENSILS, AS ILLUSTRATED.

Furnished Complete With Full Equipment for Roasting, Baking, Boiling and Stewing. Made of sheet steel built within a substantial wood frame. Panel effect and finished to appear like quarter sawed oak.

These quality cookers will cook almost any kind of food intended for table use. The cook book which we furnish free with each cooker contains full directions and recipes for cooking cereals, vegetables, soups, etc., roasting all kinds of meats (including stews and meat pies) and baking beans, bread, biscuits, pies, puddings, cakes, etc.



Aluminum Lined Through-out. Wizard Double Compartment Fireless Cooker. 99R2328—With complete equipment, as illustrated. Shipping weight, about 110 pounds. Price.....\$22.40

Daisy Fireless Cooker.

For Boiling and Stewing Only. For boiling or stewing meats, making soups, cooking cereals, vegetables, etc. Furnished with one 7-qt. enameled vessel and 5-pint inset pan and aluminum cover which fits either vessel. One or both vessels can be used at the same time. The Daisy cooker will hold the heat and do perfect work. Shipping weight, about 29 lbs.



99R2325—Price, including full directions and book of recipes \$4.95

HIGH GRADE TWO-COAT GRAY ENAMELED WARE

TWO COATS OF ENAMEL BAKED ON STEEL AT WHITE HEAT. TOUGH, DURABLE, BRIGHT, GLOSSY. SIZES AND CAPACITIES GIVEN ARE ACTUAL.

Two-Coat Gray Enameled COVERED ROASTER \$2.65

SELF BASTING—SEAMLESS—SANITARY. SAVES ALL THE NATURAL JUICES OF THE MEAT.

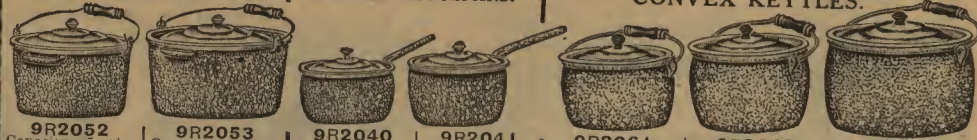


Moisture condensing on inside of cover drips continuously on the roast and prevents it from burning. Seamless rounded corners are easy to clean and keep clean. No sharp corners to accumulate dirt or grease. Handles securely welded and guaranteed not to come off. Outside measurements, 8 inches high, 12 inches wide, 19 inches long over handles. Shipping wt., about 7 lbs.
99R2231—Price...\$2.65

MASLIN KETTLES.

CONVEX SAUCEPANS.

CONVEX KETTLES.



9R2052
Capacity, 2 1/2 qts.
Wt., about 2 1/2 lbs.
Price...80c

9R2053
Capacity, 9 1/2 qts.
Wt., about 3 1/2 lbs.
Price...\$1.00

9R2040
Capacity, 3 qts.
Wt., about 1 1/2 lbs.
Price...46c

9R2041
Cap., 8 1/2 qts.
Wt., about 1 1/2 lbs.
Price...58c

9R2061
Capacity, 4 qts.
Wt., about 1 1/2 lbs.
Price...55c

9R2062
Capacity, 5 1/2 qts.
Wt., about 1 1/2 lbs.
Price...70c

9R2064
Capacity, 9 1/2 qts.
Wt., about 3 1/2 lbs.
Price...\$1.05

LIPPED SAUCEPANS.

PRESERVING KETTLES.

Covers are not furnished with preserving kettles. For kettles with covers see our Convex and Maslin kettles listed above.



9R2035
Capacity, 2 1/2 qts.
Wt., about 1 1/2 lbs.
Price...36c

9R2036
Capacity, 3 1/2 qts.
Wt., about 1 1/2 lbs.
Price...42c

9R2045
Capacity, 4 1/2 qts.
Wt., about 1 1/2 lbs.
Price...47c

9R2047
Capacity, 7 quarts.
Wt., about 2 lbs.
Price...60c

9R2048
Capacity, 8 1/2 quarts.
Wt., about 2 1/2 lbs.
Price...75c

9R2049
Capacity, 13 1/2 quarts.
Wt., about 3 1/2 lbs.
Price...95c

TEAKETTLES.

Two-Coat Gray Enameled Dish Pan.

TEAPOT.

COFFEEPOT.

COFFEE BOILERS.



9R2077
For No. 7 stove. Capacity, 4 1/2 qts. Wt., about 2 1/2 lbs.
Price...95c

9R2078
For No. 8 stove. Capacity, 6 qts. Wt., about 2 1/2 lbs.
Price...\$1.15

9R2079
For No. 9 stove. Capacity, 7 qts. Wt., about 3 lbs.
Price...\$1.35



\$1.30

\$1.30

18-Qt. **99R2243**—Capacity, 18 quarts. Shipping weight, about 6 lbs. Price...\$1.30



9R2081
Capacity, 2 qts. Weight, about 1 1/2 pounds.
Price...60c



9R2085
Capacity, 2 1/2 qts. Wt., about 1 1/2 pounds.
Price...65c



9R2090
Capacity, 5 1/2 quarts. Weight, 2 pounds.
Price...90c



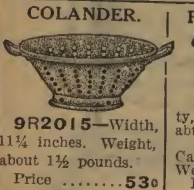
9R2091
Capacity, 7 qts. Weight, 2 1/2 lbs.
Price...\$1.15

DOUBLE BOILERS.

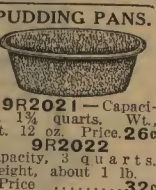


9R2071
Capacity, 1 1/2 quarts. Wt., 2 1/2 lbs.
Each...95c

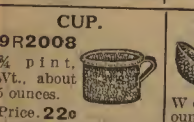
9R2072
Capacity, 2 1/2 quarts. Weight, 2 3/4 pounds.
Price...\$1.15



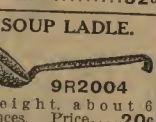
9R2015—Width, 11 1/2 inches. Weight, about 1 1/2 pounds.
Price...53c



9R2021—Capacity, 1 1/2 quarts. Wt., abt. 12 oz. Price...26c
9R2022
Capacity, 3 quarts. Weight, about 1 lb. Price...32c



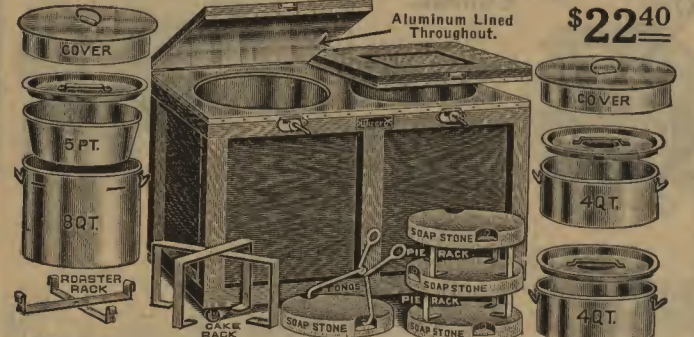
9R2008
3/4 pint. Wt., about 5 ounces.
Price...22c



9R2004
Weight, about 6 ounces. Price...20c

Wizard Double Compartment Aluminum Lined Fireless Cooker

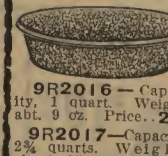
FURNISHED COMPLETE WITH FULL EQUIPMENT FOR ROASTING, BAKING, BOILING AND STEWING.



\$22.40

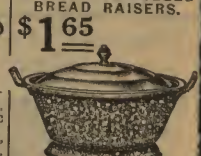
Made of sheet steel built within a substantial wood frame. Panel effect and finished to appear like quarter sawed oak. These quality cookers will cook almost any kind of food intended for table use. The cook book which we furnish free with each cooker contains full directions and recipes for cooking cereals, vegetables, soups, etc., roasting all kinds of meats (including stews and meat pies) and baking beans, bread, biscuits, pies, puddings, cakes etc.
99R2328—With complete equipment, as illustrated. Shpg. wt., abt. 110 lbs. \$22.40

BAKING PANS.



9R2016—Capacity, 1 quart. Weight, abt. 9 oz. Price...22c
9R2017—Capacity, 2 1/2 quarts. Weight, about 15 ounces. Price...31c
9R2018—Capacity, 4 quarts. Weight, about 1 1/2 pounds. Price...40c

GRAY ENAMELED BREAD RAISERS.



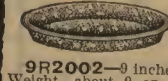
\$1.65
99R2236—Capacity, 12 1/2 quarts. Shipping wt., about 4 lbs. Price...\$1.65

PIE PLATE.



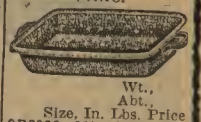
9R2000—9 inches. Weight, about 8 oz. Price...20c

CAKE PAN.



9R2002—9 inches. Weight, about 9 oz. Price...22c

SPECIAL TWO-COAT GRAY ENAMELED SEAMLESS DRIP OR BAKING PANS.

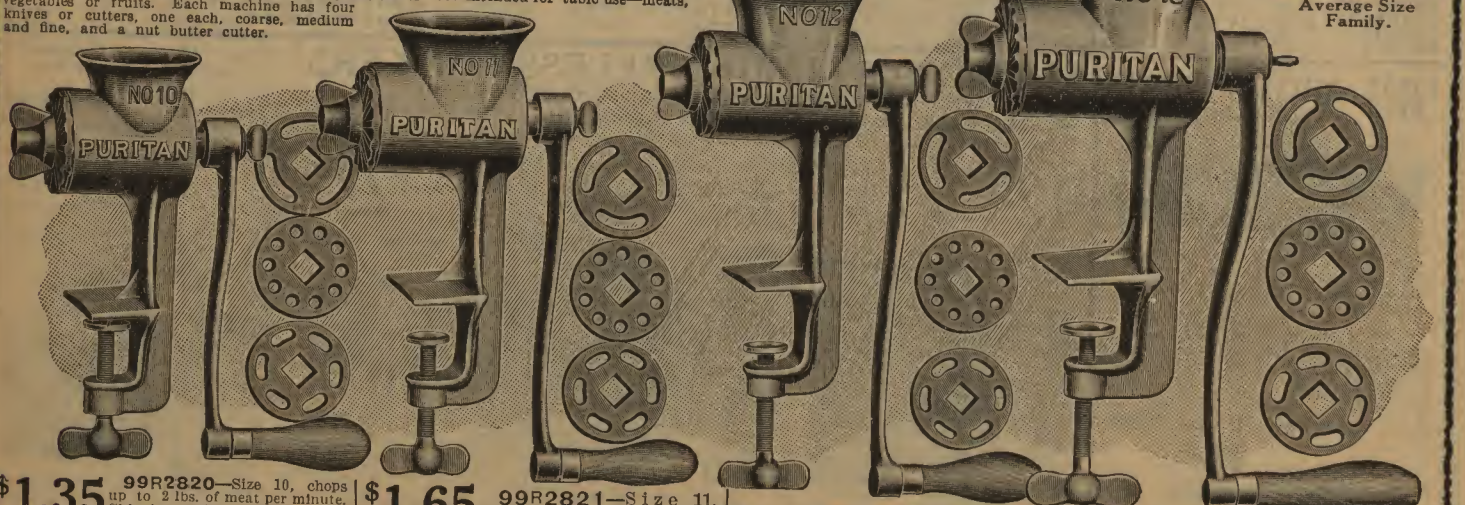


Wt., Abt. Size, In. Lbs. Price
9R2026 8 1/4 x 12 1 1/2 50c
9R2027 10 1/2 x 15 1 1/2 70c

WITH FOUR CUTTERS.

PURITAN FOOD CHOPPERS

Why the Puritan Chopper Is Popular. It has a heavy one-piece barrel, straight ribbed inside, a cylinder which fits snugly against the straight ribs and with a scissors-like action cuts the food which makes turning easy. One-piece body without joints, makes cleaning easy. All exposed parts coated with tin to prevent rust.
 The Puritan Food Chopper will cut any article of food intended for table use—meats, vegetables or fruits. Each machine has four knives or cutters, one each, coarse, medium and fine, and a nut butter cutter.



\$1.35 **99R2820**—Size 10, chops up to 2 lbs. of meat per minute. Shipping weight, about 4 lbs.

\$1.65 **99R2821**—Size 11, chops up to 2 1/2 pounds of meat per minute. Shipping weight, about 4 1/2 pounds.

\$1.95 **99R2822**—Size 12, chops up to 3 pounds of meat per minute. Shipping weight, about 6 pounds.

\$2.55 **99R2823**—Size 13, chops up to 4 pounds of meat per minute. Shipping weight, about 7 pounds.

0342 **Sears, Roebuck and Co. Chicago**

RECIPE BOOK INCLUDED.

\$1.65

Size No. 11. For the Average Size Family.

Peerless Gray Enamelled Ware Set

UNUSUALLY HEAVY WEIGHT ONE-COAT GRAY WARE.

\$7.85



A durable and useful set of seventeen pieces in sizes best adapted for use in the average family. All flat bottom pieces that will fit any size stove. Shipping weight, about 31 pounds.

99R2248—Price, per set..... **\$7.85**

16-Piece Blue and White Enamelled Ware Set

A HEAVY, DURABLE SET AT A BARGAIN PRICE.

\$10.75



Modern high grade ware that is worthy of use in any kitchen. All pieces have white enamel lining. All pieces have flat bottoms and will fit any size stove.

99R2260—Price, per set..... (Shipping weight, about 44 pounds)..... **\$10.75**

"High Grade" Platform Counter Scale. Grocery Pattern.

"High Grade" Double Beam Counter Scale.



\$43.50

Double brass beam with brass sliding poises. Capacity, 361 pounds by ounces. Platform measures about 11 1/4 x 14 1/2 inches. Scoop made of brass, size about 10 1/2 x 20 inches. Beam and poises have the necessary adjustments. Shipping weight, about 78 pounds. Cannot be shipped by parcel post.

99R2776—Price..... **\$43.50**



\$21.00

Capacity of platform, 240 pounds by 1/2 pound. Platform measures about 9 1/2 x 12 1/2 in.

Capacity of scoop, 30 lbs. by 1/2 ounces.

Loops are heavy malleable iron. All pivots are made of steel, hardened, tempered and sharpened to knife edge. Bearings on cross-heads are fitted with caps, which prevent friction and do away with the side motion at this point. The poises are equipped with adjusting screws. Shipping weight, about 54 pounds.

99R2775—Price..... **\$21.00**

"High Grade" Single Beam Counter Scale. Similar in construction to the double beam scale listed above; same capacity. Shipping weight, about 50 lbs.

99R2774—Price..... **\$18.00**

24-Piece Outfit of Our Celebrated Two-Coat Gray Enamelled Ware.



The outfit to begin housekeeping with; all the pieces necessary about a kitchen. Have flat bottoms and fit any size stove.

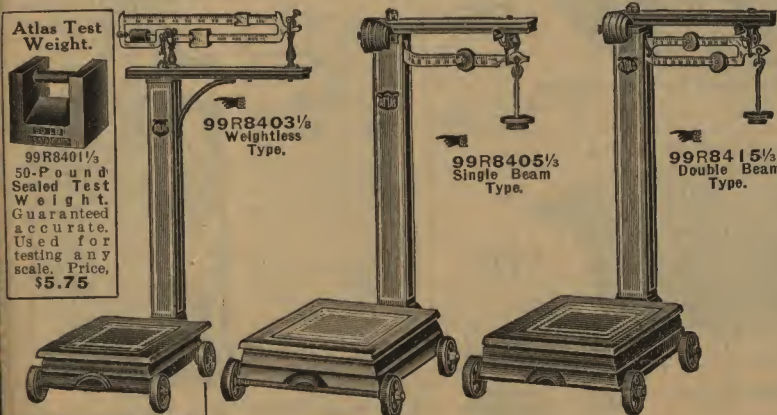
99R2251—Shipping weight, about 50 pounds. Price, per set.... **\$10.65**

Atlas U. S. Standard Scales

A scale to be of any value must weigh accurately on all weights up to its capacity. Should wear take place in any of the bearing points it will render the scale inaccurate. All bearing points should be made of material that will resist wear. Construction and adjustments must be of a type that the Government has approved. All Atlas Scales are guaranteed to meet the requirements of inspection by any Government authorized sealer of weights in any state of the United States and to be free from defective material and workmanship. A scale that does not come up to these requirements is of no value as a weighing machine. Order an Atlas of any type and if it is not satisfactory in every way, send it back and we will return every cent of your money, including freight charges you paid. All Atlas Scales are shipped from factory in SOUTHEASTERN MICHIGAN.

Atlas Portable Scales

Atlas Scale Beams are solid brass. The beams for 600 and 1,000-pound capacity are marked by 1/4 lb. to 50 lbs. On the larger sizes by 1/2 lb. to 100 lbs.



Atlas Test Weight.

99R8401 1/2
50-Pound Sealed Test Weight. Guaranteed accurate. Used for testing any scale. Price, \$5.75

99R8403 1/2
Weightless Type.

99R8405 1/2
Single Beam Type.

99R8415 1/2
Double Beam Type.

Atlas Weightless Scale.

Capacity, 600 Pounds.

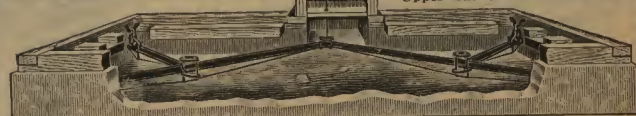
This scale has no loose weights. Upper beam marked to 100 pounds by 1/2-pound marks; lower beam to 500 pounds by 100-pound notches. Platform measures 16 1/2 x 24 inches. Shipping weight, 160 pounds.

99R8403 1/2
Price..... **\$28.50**

Single Beam Type.		Capacity, Lbs.	Size of Platform, Inches	Shipping Wt., Lbs.	Double Beam Type.	
Catalog No.	Price				Catalog No.	Price
99R8405 1/2	\$22.75	600	16 1/2 x 24	165	99R8415 1/2	\$24.85
99R8407 1/2	\$25.85	1,000	17 1/2 x 25	175	99R8417 1/2	\$28.00
99R8409 1/2	\$39.95	1,600	20 1/2 x 29 1/2	275	99R8419 1/2	\$42.00
99R8411 1/2	\$47.00	2,000	25 1/2 x 34 1/2	355	99R8421 1/2	\$48.75
99R8413 1/2	\$49.20	2,500	25 1/2 x 34 1/2	365	99R8423 1/2	\$51.00

Atlas Pit Scale

The scale requires a pit 22 inches deep in which the scale is mounted and the platform is then level with the surrounding ground. Beam boxes are well made, painted and fitted with good lock and key. Building plans and directions included. Weight beams are solid brass. Upper bar of the double beam



is marked to 1,000 pounds by 5-pound marks; lower bar by 500-pound notches to 9,000 pounds.

The triple beam has upper bar marked to 2,000 pounds by 10-pound marks, lower bar to 500 pounds by 5-pound marks and the middle bar to 9,000 pounds by 100-pound notches. The 8-ton has one loose weight for weighing between 5 and 8 tons. Platform size is 8x14 feet. Lumber for platform and frame is not included at prices shown.

99R8425 1/2 — 5-Ton Double Beam Atlas Pit Scale. Shipping weight, 555 pounds.	99R8427 1/2 — 5-Ton Triple Beam Atlas Pit Scale. Shipping weight, 600 pounds.	99R8429 1/2 — 8-Ton Triple Beam Atlas Pit Scale. Shipping weight, 800 pounds.
Price..... \$79.80	Price..... \$93.75	Price..... \$127.50

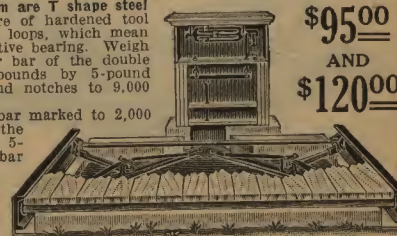
Atlas Pitless Scale

The levers under the platform are T shape steel beams. The bearing pivots are of hardened tool steel and rest in hard bearing loops, which mean long life and an accurate sensitive bearing. Weight beams are solid brass. Upper bar of the double beam is marked to 1,000 pounds by 5-pound marks; lower bar by 500-pound notches to 9,000 pounds, capacity of scale.

The triple beam has upper bar marked to 2,000 pounds by 10-pound marks, the lower bar to 500 pounds by 5-pound marks and the middle bar to 9,000 pounds by 500-pound notches; heavy steel I beams securely tied together by iron pipe and special locknuts make a rigid steel frame on which the wood platform is mounted. Furnished complete with painted beam box and full directions. Lumber for frame and platform not included.

99R8431 1/2 — 5-Ton Pitless Scale. Furnished for wood ends, with double beam. Shipping weight, 900 pounds. Price..... **\$95.00**

99R8433 1/2 — 5-Ton Pitless Scale. Furnished with steel ends and triple beam. We recommend this scale. Ship. wt., 1,160 lbs. Price..... **\$120.00**



\$95.00
AND
\$120.00

Sears, Roebuck and Co.
Chicago

1035



Our
"Best Made"
Aluminum
Teakettle.

\$3⁶⁵

With Inset
for Use as
Double
Boiler.

Used as
ordinary tea-
kettle or dou-
ble boiler.

Flat bottom, fits any size stove. Capacity of kettle, 6 quarts. Capacity of inset, 2 qts. Shpg. wt., about 4 lbs.
99R2370—Price, with inset.....\$3.65



Our "Best Made" Aluminum Coffee-pots. \$1⁹⁵ 2-Qt. Our "Best Made" Aluminum Tea-pots. \$1⁹⁵ 3-Pt.

High Grade Teakettles

Large spout permits their being filled direct from any ordinary kitchen faucet without removing cover.



\$3⁴⁵
7-Qt.

Our Favorite "Best Made" Aluminum Teakettle. Heavy sheet aluminum. Satin finish inside. Flat bottom; fits any stove.

99R2376—Capacity, 6 qts. Shpg. wt., abt. 3 lbs..\$3.15
99R2377—Capacity, 7 qts. Shpg. wt., abt. 3½ lbs.. 3.45



Copper Nickel Plated Teakettles. Black enameled wood handle. Flat bottom, adapted for use on any stove.

Size, No.	Cap., Qts.	Shpg. Wt., Lbs.	Price
99R2337 7	4 ¾	3 ¾	\$1.95
99R2338 8	6	3 ¾	2.10
99R2339 9	7 ½	4	2.30



Two-Coat Gray Enameled Teakettles. Flat bottom, will fit any stove.

Size, No.	Cap., Qts.	Shpg. Wt., Lbs.	Price
99R2077 7	4 ¾	2 ¾	\$0.95
99R2078 8	6	2 ¾	1.35
99R2079 9	7	3	1.35



Copper Nickel Plated Coffee-pots. \$1⁵⁰ 4-Pt.



Copper Nickel Plated Teapots. \$1³⁵ 3-Pt.

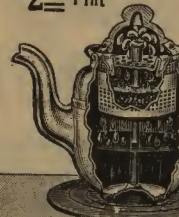
Cap., Qts.	Shpg. Wt., Lbs.	Price, Ea.
99R2262 1 ½	1	\$1.75
99R2263 2 ½	1 ½	1.95
99R2264 3 ½	2 ½	2.15

"See Thru" Coffee Mill. Our Price, \$1¹⁰



Holds 1 Pound of Coffee. Glass Hopper Coffee Mill with air-tight screw cover. Turns easily, grinds fast and retains the full strength of the coffee. Screws furnished for attaching. Shipping weight, 7 pounds.
99R2445—With tumbler...\$1.10

Copper Nickel Plated Percolators. \$2⁹⁵ 2-Pt.



99R2355—Capacity, 2 ½ pints. Shipping weight, about 3 ½ lbs. Price.....\$2.95
99R2356—Capacity, 3 ½ pints. Shipping weight, about 4 lbs. Price.....\$3.45

Glass Percolator Top. 5c



Fits any percolator shown on this page. Weight, about 3 ounces.

99R2806—Each.....5c

Our "Best Made" Aluminum Percolator

Furnished with steel plate for use on gas, gasoline or oil stoves.



99R2360—2-pint (6-cup) size. Actual weight, 1 ½ lbs. Shipping weight, about 3 ½ lbs. Price, percolator only....\$3.80
99R2361—3-pint (9-cup) size. Actual weight, 1 ½ lbs. Shipping weight, about 4 pounds. Price, percolator only....\$4.30

Our "Best Made" Aluminum Serving Tray.

99R2312—Size, 12 ¼ x 16 ½ in. Weight, 1 ½ pounds. Price, tray only.....\$1.85
99R2313—Size, 13 ½ x 17 ½ in. Weight, 1 ½ pounds. Price, tray only.....\$2.15

Cap., Qts.	Shpg. Wt., Lbs.	Price, Ea.
99R2344 3 ½	1 ¾	\$1.35
99R2345 4 ½	2	1.50
99R2346 5 ½	2 ¼	1.65

Two-Coat Gray Enameled Coffee-pots. 2 ½-Qt. 65c



Cap., Qts.	Shpg. Wt., Lbs.	Price, Ea.
99R2350 2 ½	1 ¾	\$1.25
99R2351 3 ½	1 ¾	1.35
99R2352 4 ½	2 ¼	1.50

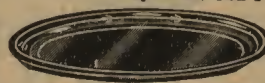
Two-Coat Gray Enameled Teapots. 2-Qt. 60c



99R2085—Capacity, 2 ¾ quarts. Weight, about 1 ½ pounds. Price.....65c

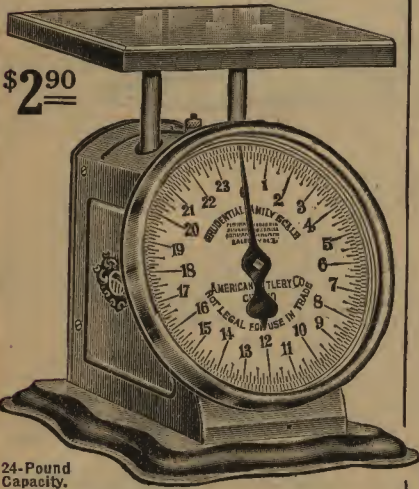
99R2081—Capacity, 2 quarts. Weight, about 1 ¼ pounds. Price.....60c

Japanned Tea Tray.



99R2598 14 in. Length 1 ½ lb. Price 27c
99R2599 16 in. Length 1 ½ lb. Price 27c
99R2600 20 in. Length 1 ½ lb. Price 38c

Family Spring Scale.



24-Pound Capacity.

Good Quality Scale, made of sheet steel, light blue finish, dial has glass front, white tile platform. Capacity, 24 pounds by ounces. Shipping weight, about 6 pounds.

99R2784—Price.....\$2.90

OUR "BEST MADE" ALUMINUM DISH PAN.



An Ideal Pan for Cooking Fruits for Canning.
99R2420—Capacity, 17 quarts. Actual weight, 2 ½ pounds. Shipping weight, about 5 pounds. Price.....\$2.90

Gray Enameled Dish Pan.



99R2243—Capacity, 18 quarts. Shipping weight, about 5 pounds. Price.....\$1.30

\$5¹⁰ Double Wall Water Cooler. 4-Gallon Size. \$6²⁰ 6-Gallon Size.

99R2742—4-gallon size. Shipping weight, about 27 pounds. Price.....\$5.10

99R2744—6-gallon size. Shipping weight, about 35 pounds. Price.....\$6.20



BUTTER

in 3 Minutes!

The "Holstein" Butter Reaper.

By Actual Tests Makes Butter From Sweet or Ripened Cream in From

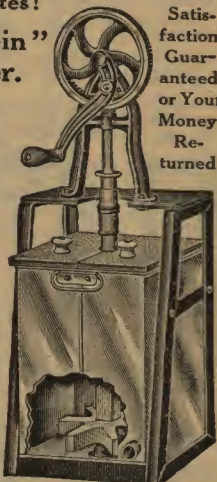
3 to 5 Minutes.

The peculiar construction of the dasher gives a violent action to the cream and, without breaking their granular form, quickly extracts all the butter fat particles, forming solid first quality butter in from three to five minutes' time.

Save Your Time! Save Your Strength!

Why waste valuable time using the old time slow and hard method of churning when by using modern methods you can obtain better results in but a few minutes' time? Churn is light in weight and easy running. Can made of heavy tin plate and holds 3 ½ gallons. Churns up to 1 ½ quarts. Shipping weight, about 21 pounds.

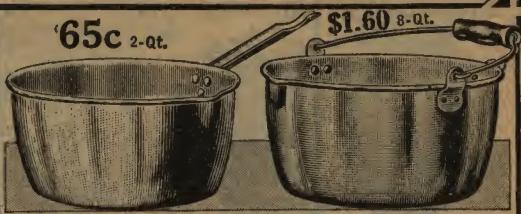
99R2591—Our price.....\$4.80





Stamped Aluminum Cooking Utensils

Standard high grade solid aluminum ware, the most economical ware to buy where service and durability are desired. Handsome in appearance. Light in weight and heats quickly. Sold under our guarantee of absolute satisfaction or money returned.



Our "Best Made" Aluminum Convex Kettle.
9R2212—State size.

Capacity	Weight	Price
4 qts.	1 1/4 lbs.	\$1.45
6 qts.	1 3/4 lbs.	1.65
8 qts.	1 3/4 lbs.	2.00
10 qts.	2 lbs.	2.45

Our "Best Made" Aluminum Convex Saucepan.
9R2223—State size.

Capacity	Weight	Price
3 qts.	1 lb.	\$1.10
4 qts.	1 1/4 lbs.	1.45
6 qts.	1 3/4 lbs.	1.70
8 qts.	1 3/4 lbs.	2.05



Our "Best Made" Aluminum Lipped Convex Kettle. With Patent Ears for Holding Cover in Place When Pouring Hot Contents.

Capacity	Shpg. Wt.	Price
6 quarts	2 1/2 lbs.	\$1.75
8 quarts	3 lbs.	2.10

Our "Best Made" Aluminum Saucepan.
9R2217—State size.

Capacity	Wt.	Price
1 1/2 qts.	6 oz.	\$0.45
2 qts.	10 oz.	.65
3 qts.	12 oz.	.85
4 qts.	16 oz.	1.10
6 qts.	20 oz.	1.40

Our "Best Made" Aluminum Preserving Kettle.
9R2200—State size.

Capacity	Wt.	Price
4 qts.	1 lb.	\$1.00
6 qts.	1 1/4 lbs.	1.30
8 qts.	1 3/4 lbs.	1.60
10 qts.	1 3/4 lbs.	1.80
12 qts.	2 lbs.	2.10
16 qts.	2 1/2 lbs.	2.60



\$215 Our "Best Made" Aluminum Combination Convex Steam Cooker.

Three utensils in one. Steamer, Convex Kettle, Colander. Consists of 6-quart kettle with cover to fit, and 3-quart steamer compartment. Shipping wt., 3 pounds.
99R2385
Price...\$2.15



Our "Best Made" Aluminum Lunch or Dinner Pail. Also Fine for Auto, Picnic and Camping Parties. Large size (note the capacity). Made from solid sheet aluminum with no seams or crevices to collect the dirt. Shipping wt., about 3 lbs.
99R2423
Price...\$2.20



Our "Best Made" Aluminum Double Boiler.
9R2228—State size.

Capacity	Wt.	Price
1 qt.	1 lb.	\$1.25
1 1/2 qts.	1 1/4 lbs.	1.50
2 qts.	1 3/4 lbs.	1.80
3 qts.	1 3/4 lbs.	2.10



40c Our "Best Made" Aluminum Square Jelly Cake Pan.
9R2250—Size, 9x9 inches. Weight, about 5 oz. Price, each...40c



45c Our "Best Made" Aluminum Oblong Cake Pan.
9R2252
Size, 12x8 in. Weight, about 6 oz. Price, each...45c



Our "Best Made" Pure Aluminum Roaster. Economical. Sanitary. Size over all, 16x11 1/2 x 8 inches high. Shipping weight, about 4 1/2 pounds.
99R2428—Price...\$4.35



Our "Best Made" Aluminum Round Roaster. Economical. Seamless. Measures 12 inches outside diameter. Height, 6 1/2 inches. Shipping weight, 2 1/2 pounds.
99R2427—Price...\$2.45



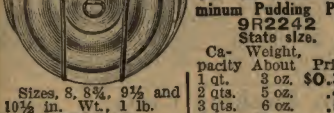
Our "Best Made" Aluminum Steamer. Cover fits either vessel. Size, top vessel, 5 inches high by 9 inches diameter. Capacity, bottom vessel, 6 quarts. Shipping weight, about 3 1/2 lbs.
99R2384
Price...\$2.45



Our "Best Made" Aluminum Dipper.
9R2298
Wood Handle. Capacity, 1 pint. Price...30c



Set of 4 "Best Made" Aluminum Pot Covers.
98c

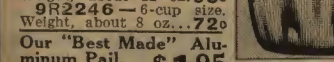


Our "Best Made" Aluminum Pudding Pan.
9R2242
State size.

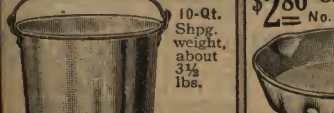
Capacity	Weight	Price
1 qt.	3 oz.	\$0.30
2 qts.	5 oz.	.40
3 qts.	6 oz.	.50
4 qts.	10 oz.	.70
6 qts.	13 oz.	1.08



Our "Best Made" Aluminum Muffin Pans.
9R2247—9-cup size. Weight, about 12 oz. 98c
9R2246—6-cup size. Weight, about 8 oz. 72c



Our "Best Made" Aluminum Pail.
\$1.95



99R2424—Capacity, 10 quarts. Price...\$1.95
99R2425—Capacity, 12 quarts. Price...\$2.15



'Kitchen Sunshine' Complete \$4.60 As Illustrated.

A big set for very little money. All big full size pieces. Just the pieces necessary about the kitchen. Its wearing qualities are excellent. Shipping weight, about 6 pounds.
99R2383—Big Eight-Piece Set, as illustrated. Our special price...\$4.60

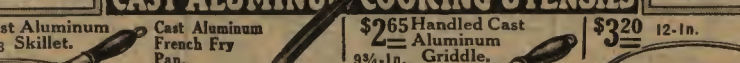
Set of 3 of Our "Best Made" Aluminum Saucepans. \$2.15

Three essential cooking utensils needed every day. Note the large capacities, 1 1/2, 3 and 4 quarts. Wt., about 3 lbs.
99R2383
Price, per set of 3, as illustrated...\$2.15

Puritan Food Chopper. Enables you to make many dainty and delicious dishes from left over cold meats and vegetables. The "Puritan Cook Book," which we furnish free with each chopper, tells you how. Complete with coarse, medium, fine and nut butter cutters. Shpg. wt., about 4 1/2 pounds.
99R2821—Size 11, regular family size. Price...\$1.65



\$280 Cast Aluminum No. 8 Skillet.
\$1.85 10 1/4 in. Top Diam. Price
9R2278 7 3/4 2.45
9R2279 8 10 2.80
9R2280 9 11 3.10



\$265 Handled Cast Aluminum 9 3/4 in. Griddle.
\$3.20 12 in. Top Diam. Price
9R2284 8 9 3.65
9R2285 9 11 3.05
9R2286 10 12 3.45



Cast Aluminum Cake Griddle. Diameter Price
9R2290 12 in. \$3.20
9R2291 14 1/2 in. 3.95

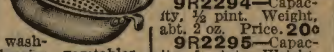
Weight, about 2 1/2 pounds.



Our "Best Made" Aluminum Measuring Cup. 30c 1-Pt.



Our "Best Made" Aluminum Rinser. 55c

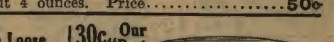


9R2294—Capacity, 1/2 pint. Weight, about 2 oz. Price, 20c
9R2295—Capacity, 1 pint. Weight, about 3 oz. Price, 30c



9R2238
Price...55c

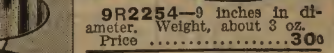
Our "Best Made" Aluminum Bread and Cake Pan. 50c
9R2248—Size, 9 1/2 x 5 1/2 x 2 1/2 in. Weight, about 4 ounces. Price...50c



30c Our "Best Made" Aluminum Loose Bottom Cake Pan.



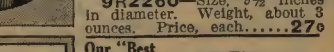
9R2254—9 inches in diameter. Weight, about 3 oz. Price...30c



27c Our "Best Made" Aluminum Cake Pan.



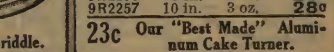
9R2260—Size, 9 1/2 inches in diameter. Weight, about 3 ounces. Price, each...27c



Our "Best Made" Aluminum Pie Plate. 24c 9 in. Diam. Wt. Price
9R2256 9 in. 3 oz. 24c
9R2257 10 in. 3 oz. 28c



23c Our "Best Made" Aluminum Cake Turner.

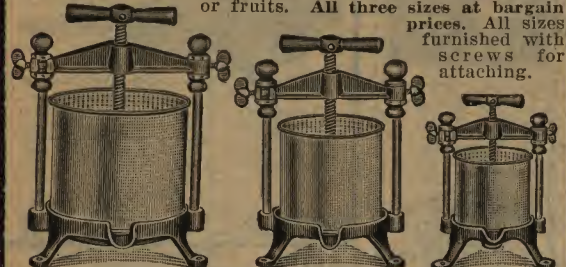


9R2305—Wood handle; 15 inches long. Weight, about 3 ounces. Price...23c

\$310 LARD, WINE AND JELLY \$460 PRESSES.

4-QT. SIZE.

Well made, durable household presses, with heavy tin cylinders and deep, well cut threads on steel screws that will not slip and that give tremendous pressure in extracting all the juices from either meats or fruits. All three sizes at bargain prices. All sizes furnished with screws for attaching.



99R2813—10-Qt. Size. Shpg. wt., about 46 lbs. Price...\$4.60
99R2812—4-Qt. Size. Shpg. wt., about 26 lbs. Price...\$3.10
99R2811—2-Qt. Size. Shipping wt., about 14 lbs. Price...\$1.70

WITH FOUR CUTTERS.

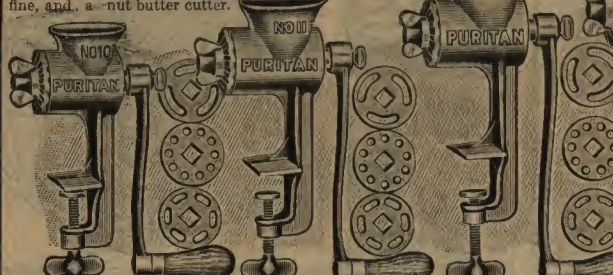
PURITAN FOOD CHOPPERS.

RECIPE BOOK INCLUDED.

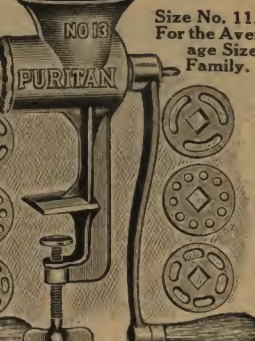
\$1

Barrel straight ribbed inside, cylinder fits snugly against the straight ribs and, with a scissors-like action, cuts the food into small pieces before it reaches the knives. Long handle makes turning easy. Exposed parts heavily coated with black tin.

The Puritan Food Chopper will cut any article of food intended for table use—meats, vegetables or fruits. Each machine has four knives or cutters, one each, coarse, medium and fine, and, a nut butter cutter.



99R2820—Size 10, chops up to 2 lbs. of meat per minute. Shipping wt., about 4 lbs. Price...\$1.35
99R2821—Size 11, chops up to 2 1/2 lbs. of meat per minute. Shpg. wt., about 4 1/2 lbs. Price...\$1.65
99R2822—Size 12, chops up to 3 lbs. of meat per minute. Shpg. wt., about 6 pounds. Price...\$1.95
99R2823—Size 13, chops up to 4 pounds of meat per minute. Shpg. wt., about 7 lbs. Price...\$2.50

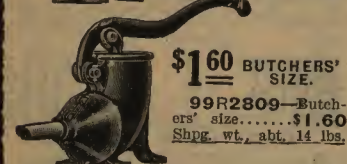


Sausage Stuffers.

\$125



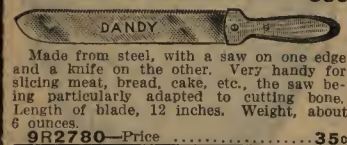
Lever pattern, black finished iron, extra long lever; furnished with screws for attaching.
99R2808—Family size. Shpg. wt., about 9 lbs.



\$160 BUTCHERS' SIZE.
99R2809—Butchers' size. Shpg. wt., about 14 lbs.

Kitchen Saw Knife.

35c



Made from steel, with a saw on one edge and a knife on the other. Very handy for slicing meat, bread, cake, etc., the saw being particularly adapted to cutting bone. Length of blade, 12 inches. Weight, about 6 ounces.
99R2780—Price...35c

OUR PRICE \$395



FULTON GRAIN MILL.

Grind the Whole Grain! Use It All!

Get Three Loaves of Bread Where You Have Been Getting Two. Do not throw away the part that is most palatable and best for your bodily health.

Every housewife should have a Fulton Grain Mill and make in her own kitchen.

Fresh, Sweet and Pure Flour as Needed.

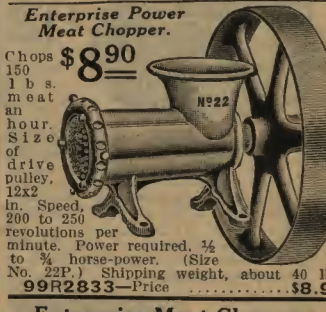
Children grow sturdy and strong on homemade muffins, bread and cake made from home ground flour and meals, which contain all the health giving, natural nutriment of the entire grain.

Fulton Grain Mills are well made and guaranteed to give satisfactory results. Hopper holds about 2 pounds. Actual weight, 11 pounds. Shpg. wt., 13 lbs.
99R6127—Our price...\$3.95



Enterprise Food Chopper.

Will chop any article of food intended for table use. Furnished with three knives and nut butter cutter, as illustrated. Chops up to 21 pounds meat per minute. Shipping weight, about 6 lbs.
99R2825 Price...\$2.20



Enterprise Power Meat Chopper.

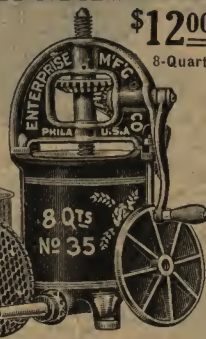
Chops 150 lbs. meat an hour. Size of drive pulley, 12x2 in. Speed, 200 to 250 revolutions per minute. Power required, 1/2 to 3/4 horse-power. (Size No. 22P.) Shipping weight, about 40 lbs.
99R2833—Price...\$8.90

Enterprise Sausage Stuffers, Lard and Fruit Presses.



Strong and durable, black finished. Iron outer cylinder bored true to size. Two-quart size has rack movement. 4-quart, 6-quart and 8-quart sizes have screw movement. Each size has an extra plate. All sizes furnished with screws for attaching.

99R2801—2-Quart Size. Shpg. wt., about 30 lbs. Price...\$7.10
99R2803—4-Quart Size. Shpg. wt., about 45 lbs. Price...\$9.75
99R2804—6-Quart Size. Shpg. wt., about 60 lbs. Price...\$11.10
99R2805—8-Quart Size. Shpg. wt., about 63 lbs. Price...\$12.00



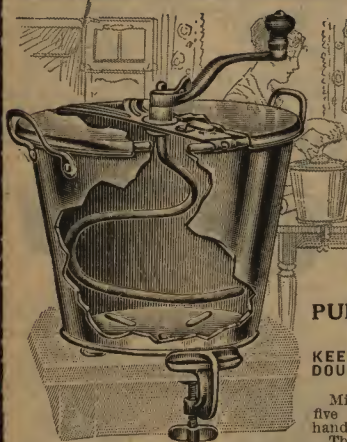
Made of cast iron, heavily tinned, have guaranteed knives, which cut like scissors. Choppers that require screws are furnished with screws for attaching.



99R2826—Price...\$2.65
99R2827—Price...\$4.20
99R2828—Price...\$3.80



99R2829—Price...\$6.45
99R2830—Price...\$8.45
99R2832—Price...\$13.30



PURITAN BREAD MIXER AND KNEADER.

KEEPS YOUR HANDS OUT OF THE DOUGH. THE CLEANLY AND EASY WAY TO MAKE BREAD.

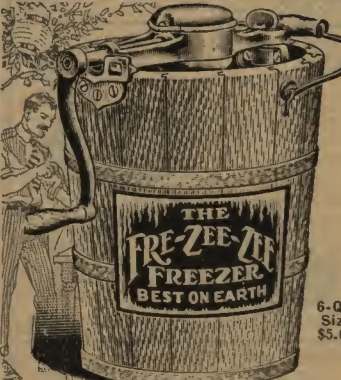
Mixes and kneads the dough better in three to five minutes' time than can be accomplished by hand in half an hour. The pail and cover are made of heavy tin plate, and recipes are furnished with each mixer.

99R2180—Holds about 11 quarts. For mixing 2 to 6 loaves. Shipping weight, about 10 pounds. Price...\$3.15
99R2181—Holds about 18 quarts. For mixing 4 to 10 loaves. Shipping weight, about 15 pounds. Price...\$3.90

EXTRA PARTS FOR ENTERPRISE CHOPPERS.

Be sure to state number of chopper for which parts are wanted.

For Chopper No.	5	10	12	22	32	432
99R2667—Knives. Average shipping weight, about 4 ounces. Price...	30c	35c	35c	50c	\$0.70	\$0.70
Plates. Average shipping wt., about 8 ounces.						
99R2659—1/8-in. holes, each..	35c	70c	70c	90c	1.50	1.50
99R2660—1/4-in. holes, each..	35c	70c	70c	90c	1.50	1.50
99R2661—3/8-in. holes, each..	35c	70c	70c	90c	1.50	1.50
99R2662—1/2-in. holes, each..	35c	70c	70c	90c	1.50	1.50
Stuffing Attachment. Average shipping wt., about 4 ounces.						
99R2645—With 3/4-inch tube, each.....	\$0.80	\$1.00	\$1.00	\$1.10	1.25	1.25
99R2652—With 1 1/4-inch tube, each.....	1.05	1.20	1.20	1.25	1.40	1.40



"Fre-Zee-Zee" Ice Cream Freezers.

Our "Fre-Zee-Zee" ice cream freezers are easy to operate, easy to clean and freeze quickly. Make smooth, delicious ice cream and use as little ice as any freezer made. Guaranteed to give satisfactory service.

With Crank, as Illustrated			With Flywheel		
Size	Catalog No.	Shpg. Wt.	Price	Catalog No.	Shpg. Wt.
2 qt.	99R2750	11 lbs.	\$2.95	99R2761	36 lbs.
3 qt.	99R2751	14 lbs.	3.65	99R2762	40 lbs.
4 qt.	99R2752	15 lbs.	4.35	99R2763	74 lbs.
6 qt.	99R2753	22 lbs.	5.60	99R2764	81 lbs.
8 qt.	99R2754	24 lbs.	6.90		
10 qt.	99R2755	25 lbs.	8.70		
15 qt.	99R2756	53 lbs.	13.65		
20 qt.	99R2757	60 lbs.	18.60		

Protection

GALVANIZED WIRE SCREEN CLOTH.

\$460
30-INCH
50-Ft. Roll

THREE-YEAR GUARANTEE.
We will replace without charge any "Protection" Galvanized Wire Screen Cloth bought of us if it rusts and is returned to us within three years. This screen is not guaranteed in sea coast communities against corrosion from salt sea air.

\$900
30-INCH
100-Ft. Roll

12-Wires-to-Inch Each Way Triple Selvage "Protection" Screening.

Width.	24 in.	26 in.	28 in.	30 in.	32 in.	36 in.	42 in.	48 in.
99R4506—25-Ft. Roll...	\$2.00	\$2.15	\$2.30	\$2.45	\$2.60	\$2.90	\$3.35	\$3.80
99R4507—50-Ft. Roll...	3.70	4.00	4.30	4.60	4.90	5.50	6.40	7.30
99R4508—100-Ft. Roll...	7.20	7.80	8.40	9.00	9.60	10.80	12.60	14.40

Copper Wire Fly Screen Cloth

Width.	24 in.	26 in.	28 in.	30 in.	32 in.	36 in.	42 in.	48 in.
99R4512—50-Ft. Roll...	\$12.00	\$13.00	\$14.00	\$15.00	\$16.00	\$18.00	\$21.00	\$24.00
99R4513—100-Ft. Roll...	24.00	26.00	28.00	30.00	32.00	36.00	42.00	48.00

Painted Fly Screen Cloth

Width.	24 in.	26 in.	28 in.	30 in.	32 in.	36 in.	42 in.	48 in.
99R4500—25-Ft. Roll...	\$1.60	\$1.70	\$1.80	\$1.90	\$2.00	\$2.20	\$2.55	\$2.90
99R4501—50-Ft. Roll...	2.90	3.10	3.30	3.50	3.70	4.10	4.80	5.50
99R4502—100-Ft. Roll...	5.60	6.00	6.40	6.80	7.20	8.00	9.40	10.80

APPROXIMATE SHIPPING WEIGHTS OF WIRE SCREEN CLOTH.

Width.	24 in.	26 in.	28 in.	30 in.	32 in.	36 in.	42 in.	48 in.
Wt. per 100-ft. Roll, abt.	20 lbs.	22 lbs.	24 lbs.	26 lbs.	28 lbs.	32 lbs.	36 lbs.	42 lbs.



\$590 Double Wall Fireproof Cash Box.

Double walls, filled between with fireproof cement, offers sure protection against all usual exposure to fire.



Outside dimensions, 13x9x7 in. Inside dimensions, 10x6x4 in. For money, insurance policies and other valuable papers that are commonly put away in furniture drawers, making loss certain in case of fire. This box is not burglar proof, but gives good protection against ordinary sneak thieves, as it is fitted with good strong shackles and padlock with two keys. Shipping weight, about 55 pounds.

99R2460—Price, complete, \$5.90
NOTE—Box should always be kept on lower floor near ground so as not to be broken open by falling in case of fire.

95c



Tin Deed or Cash Box.

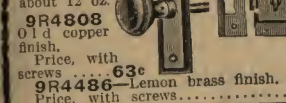
Black finish. Size, 12x8x5 in. Shipping wt., about 3 lbs. **99R2462 Price, .25c**

SCREEN DOOR CATCHES.



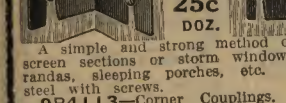
20c and 38c
99R4091—Lacquer finish. With stop knobs and screws. Wt., about 11 oz. Each, .20c
99R4093—Electro bronze plated ornamental iron with screws. Wt., about 11 ounces. Price, each, .38c

ELECTRO PLATED STEEL SCREEN DOOR LATCHES.



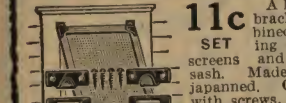
63c
99R4808—Old copper finish. Price, with screws, .63c
99R4486—Lemon brass finish. Price, with screws, .63c

SCREEN AND PORCH COUPLINGS.



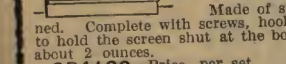
30c DOZ. 25c DOZ.
A simple and strong method of joining screen sections or storm windows on verandas, sleeping porches, etc. Japanned steel with screws. Weight, about 14 ounces.
99R4113—Corner Couplings. Weight, about 14 ounces. Price, per dozen, .30c
99R4111—Flat Couplings. Weight, about 10 ounces. Price, per dozen, .25c

BRACKET SCREEN HANGERS FOR FULL LENGTH SCREENS.



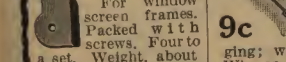
11c
A hanger and bracket combined for hanging full length screens and storm sash. Made of steel, japanned. Complete with screws, hooks and eyes to hold the screen shut at the bottom. Weight, about 3 oz.
99R4107—Price, per set, .11c

BRACKET SCREEN HANGERS FOR HALF SCREENS.



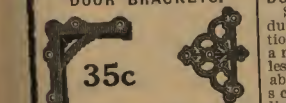
Made of steel, japanned. Complete with screws, hooks and eyes to hold the screen shut at the bottom. Wt., about 2 ounces.
99R4109—Price, per set, .10c

Stamped Steel Window Screen Corner Brackets.



17c
For window screen frames. Packed with screws. Four to a set. Weight, about 6 ounces.
99R4115—Price, per set, .17c

JAPANNED SCREEN DOOR BRACKETS.



35c
Complete with screws. Four large corner brackets and two center pieces to a set. Weight, about 1 1/4 pounds.
99R4117—Price, per set, .35c

Screen Door Spring and Check.



98c
Does away with slamming doors. Strong and durable. Action positive and noiseless. Suitable for any screen or light storm door, either right or left hand. Brass cylinder measures 10 in. long by 1 1/4 inches diameter. Weight, about 2 lbs.
99R4105—Price, .98c

BIRD CAGES.



\$650 **\$320** **\$295** **\$245**
HIGH GRADE BRASS BIRD CAGE.
Deep base with sliding drawer. Brass wire guard and elevating door, furnished with three perches, swing and two cups. Size, 10 1/4 inches long, 7 1/2 inches wide, 13 1/4 in. high. Shpg. wt., about 5 pounds.
99R2473—Price, .650
BRASS BIRD CAGE.
Made of brass wire. Furnished complete as illustrated. Self closing and fastening door. Size, 10 in. long, 7 inches wide, 12 inches high. Shipping weight, about 3 1/2 pounds.
99R2472—Price, .320
JAPANNED BIRD CAGE.
New style fancy oblong shape. Beautifully japanned. Fully equipped with perches, cups and swing. Base can be instantly removed for cleaning. Size, 11 inches long, 7 1/2 inches wide, 15 inches high. Shpg. wt., about 4 lbs.
99R2471—Price, .295
JAPANNED BIRD CAGE.
Strong and light. Sanitary base easily detached. Equipped with three perches, two seed cups and swing. Size, 11 in. long, 7 1/2 in. wide and 16 1/2 in. high. Shipping wt., about 4 pounds.
99R2470—Price, .245

10c **12c**
Brass Spring for bird cage. Weight, about 1 ounce.
99R2776—Price, .10c
Bird Cage Hook.
99R2774—Bird Cage Hook, about 12 inches long. Brass plated. Weight, about 4 oz.
Price, with screws, .12c

No Experience Required. Make Your Own Screens! Cost Exceptionally Low.

ADJUSTABLE KNOCKED DOWN FRAMES THAT CAN BE EASILY PUT TOGETHER BY ANYONE.
"SCREEN-EASY" FRAMES With Metal Corners Solve the Problem.
Strong. Substantial Screens Quickly and Easily Made. Half Screens, Full Length and Porch Screens. Screen Doors.
Furnished with everything necessary to put frames together. Wire screen cloth not included at prices quoted.

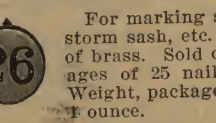
95c
For doors up to 36x84 inches.
Screen Door Frames.
Strong and substantial. Made from clear stock; top rail, 3/4x2 1/2 inches; bottom rail, 3/4x3 1/2 in.; center and side rails, 3/4x2 inches.
99R4426—For doors up to 36x84 inches. Shipping wt., about 10 lbs. Price, each, .95c
99R4427—For doors up to 42x96 inches. Shipping wt., abt. 13 lbs. Price, each, \$1.00

75c
Full Length Window or Porch Screen Frames.
36x72 inches. With these frames anyone can screen their porches in a strong and substantial manner at a very low cost. No experience required. Made of 3/4x1 1/2-inch clear stock.
99R4419—For openings up to 36x36 in. Shpg. wt., abt. 4 lbs. Each, .50c
99R4420—For openings up to 42x42 in. Shpg. wt., abt. 5 lbs. Each, .55c
99R4421—For openings up to 48x48 in. Shpg. wt., abt. 6 lbs. Each, .60c

90c
Full length window screens should always be used on bedrooms and are preferable on any windows, as they permit proper ventilation from both top and bottom.
99R4424—For openings up to 36x72 inches. Shpg. wt., abt. 8 lbs. Each, .75c
99R4425—For openings up to 48x84 inches. Shpg. wt., abt. 8 lbs. Each, .90c

FOR READY MADE COMBINATION SCREEN AND STORM DOORS SEE PAGE 1214.

Screen or Numeral Nails.



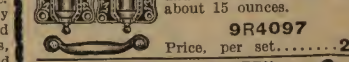
For marking screen doors, storm sash, etc. Heads made of brass. Sold only in packages of 25 nails, as below. Weight, package of 25, about 1 ounce.
99R4089
Numbers running from... 1 to 25 26 to 50
Price package, .28c
Numbers running from... 51 to 75 76 to 100
Price, package, .28c

ALL STEEL SCREEN DOOR SET.



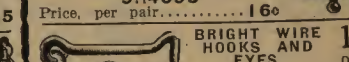
One pair wrought steel loose pin japanned butts 2 1/2x2 1/2 inches, 1 wrought steel door pull, 1 hook and eye and 1 heavy spiral door spring with hooks and screws. Weight, about 14 ounces.
99R4099—Price, per set, .39c

HOLD BACK SCREEN DOOR SET.



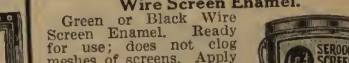
One pair japanned hold back spring hinges, with screws, 1 wrought steel door pull and 1 hook and eye. Wt., about 15 ounces.
99R4097—Price, per set, .20c

JAPANNED IRON SCREEN DOOR SPRING HINGES.



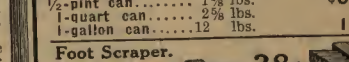
Heavy. May be used on either right or left hand doors; with screws. Weight, about 12 ounces.
99R4095—Price, per pair, .16c

BRIGHT WIRE HOOKS AND EYES.



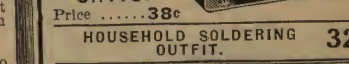
16c DOZ. 2-Inch.
99R4224—Length, inches... 2 4
Weight, per doz. about, oz. 8 16
Per package of 1 dozen... 16c 32c

Wire Screen Enamel.



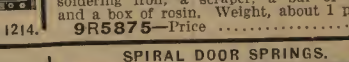
Green or Black Wire Screen Enamel. Ready for use; does not clog meshes of screens. Apply with a varnish brush, 1 or 1 1/2 inches wide. Be sure to mention color and catalog number.
30R2175—Green. Shpg. Wt., 2 lbs. Price, \$0.18
30R2176—Black. Shpg. Wt., 2 1/2 lbs. Price, .48
1-gallon can... 12 lbs. Price, 1.46

Foot Scraper.



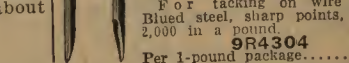
Has a brush on each end of the scraper, neatly finished. Wt., about 1 1/4 lbs.
99R4187—Price, .38c

HOUSEHOLD SOLDERING OUTFIT.



Will pay for itself in a short time mending pots, pans, etc. Consists of a small soldering iron, a scraper, a bar of solder and a box of rosin. Weight, about 1 pound.
99R5875—Price, .32c

SPIRAL DOOR SPRINGS.



99R4102—Made of oil tempered steel, nicely japanned. Length, 16 in. Size, 3/2 in. Wt., abt. 4 oz. Price, 2 for 10c

22c SCREEN WIRE CLOTH STAPLES.

For tacking on wire cloth. Blued steel, sharp points, about 2,000 in a pound.
99R4304—Per 1-pound package, .22c

80c Push Plates.

Size, about 2 3/4 x 10 1/2 inches. Wt., about 12 oz.

9R4670

Genuine brass, old copper finish. Price, ea. 80c

9R4630

Genuine brass, lemon finish. Price, ea. 80c

Contractors Save Money Here!

75c

DOOR BELLS.

\$1.00



Electric Push Buttons.

9R4666

Genuine brass, old copper finish. Wt., about 3 oz. Price, each. 75c

9R4631

Genuine brass, lemon finish. Wt., about 3 oz. Each. 75c

See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

Bell Turns.

With 3 1/2 inch nickel plated gong.

Wt., abt. 1 lb.

9R4668

Genuine brass, old copper finish. Price, each. \$1.00

9R4632—Genuine brass, lemon finish. Each. \$1.00

75c

DOOR BELLS.

\$1.00



Electric Push Buttons.

9R4686

Genuine brass, old copper finish. Wt., about 3 ounces. Price, each. 75c

9R4614

Genuine brass, lemon finish. Wt., about 3 ounces. Price, each. 75c

See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

Bell Turns.

With 3 1/2 inch nickel plated gong.

Wt., about 1 pound.

9R4684—Genuine brass, old copper finish. Each. \$1.00

9R4616—Genuine brass, lemon finish. Price, each. \$1.00

75c

Glass Push Plates.

PAIR



Beveled Edge Plate Glass.

Very attractive and easily cleaned. Nothing to discolor or tarnish. Size, 2 3/4 x 12 inches. Weight, per pair, about 2 pounds.

9R4719

Price, per pair. 75c

CHICAGO DESIGN.

\$1.95

\$3.85

\$9.40

\$1.95

Single Door.

Sliding Door Lock Sets.



Inside Door Lock Sets.

Weight, about 2 pounds.

9R4680—Genuine brass, old copper finish.

Price, per set. \$1.95

9R4620—Genuine brass, lemon finish.

Price, per set. \$1.95

Electro plated steel face, knobs and escutcheons.

9R4679—Old copper finish. Price, per set. \$1.85

9R4619—Lemon brass finish. Price, per set. \$1.85

Electro plated steel face and escutcheons, black knobs.

9R4678—Old copper finish. Price, per set. \$1.80

9R4618—Lemon brass finish. Price, per set. \$1.80

Three-Tumbler Front Door Lock Sets.

One key operates both bolts.

Weight, about 4 pounds.

9R4674—Genuine brass, old copper finish.

Price, per set. \$3.85

9R4624—Genuine brass, lemon finish.

Price, per set. \$3.85

Cylinder Front Door Lock Sets.

Weight, about 5 1/2 pounds.

9R4676—Genuine brass, old copper finish.

Price, per set. \$9.40

9R4626—Genuine brass, lemon finish.

Price, per set. \$9.40

Escutcheons and trimmings electro plated.

9R4672—Old copper finish. Wt., abt. 2 1/2 lbs.

For single doors, flat front. Per set. \$1.95

For double doors, flat front. Per set. \$2.95

For double doors, astragal front. Per set. \$3.65

9R4628—Lemon brass finish.

For single doors, flat front. Price, set. \$1.95

For double doors, flat front. Price, set. \$2.95

For double doors, astragal front. Per set. \$3.65

\$2.15

EMERALD DESIGN.

\$4.35

\$10.45

\$2.00

Sliding Door.



Inside Door Lock Sets.

Weight, about 2 lbs.

9R4697—Genuine brass, old copper finish.

Price, per set. \$2.15

9R4603—Genuine brass, lemon finish.

Price, per set. \$2.15

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4696—Old copper finish. Price, per set. \$2.00

9R4602—Lemon brass finish. Price, per set. \$2.00

Three-Tumbler Front Door Lock Sets.

One key operates both bolts.

Wt., about 3 1/2 pounds.

9R4694—Genuine brass, old copper finish.

Price, per set. \$4.35

9R4606—Genuine brass, lemon finish.

Price, per set. \$4.35

Cylinder Front Door Lock Sets.

Weight, about 5 pounds.

9R4692—Genuine brass, old copper finish.

Price, per set. \$10.45

9R4608—Genuine brass, lemon finish.

Price, per set. \$10.45

Sliding Door Lock Sets.

Escutcheons and trimmings electro plated steel.

9R4690—Old copper finish. Wt., abt. 2 1/2 lbs.

For single doors, flat front. Per set. \$2.00

For double doors, flat front. Per set. \$2.90

For double doors, astragal front. Set. \$3.40

9R4610—Lemon brass finish.

For single doors, flat front. Per set. \$2.00

For double doors, flat front. Per set. \$2.90

For double doors, astragal front. Set. \$3.40

WINDOW TRIM

7c

Hook Sash Lifts.

Bevel edges.

Size, about 1 1/2 in. Wt., abt. 1 oz.

Genuine Brass.

9R4770—Polished old copper finish. Price, each. 7c

9R4524—Lemon brass finish. Price, each. 7c

Electro Plated Steel.

9R4768—Old copper polished finish. Each. 2c

9R4522—Lemon brass finish. Price, each. 2c

Flush Sash Lifts. 4c

Electro plated steel. Size, 3 1/2 x 1 1/2 in. Wt., abt. 1 oz.

9R4766—Polished old copper finish. Each. 4c

9R4526—Lemon brass finish. Price, each. 4c

Sash Lift. 6c

Size, 3 1/4 in. Cast iron. Wt., abt. 2 oz.

9R4760—Old copper finish. Price, each. 6c

9R4530—Lemon brass finish. Price, each. 6c

Braided Sash Cord. \$1.95

Size, 1/4 inch. Put up in bundles of 100 feet. Weight, about 2 1/2 pounds.

9R4260

Price, per bundle. \$1.95

90c Automatic Sash Holders.

Take place of sash weights. Size, 3 1/4 x 7/8 x 1 1/2 inches. For sash weighing up to 30 lbs. each. Wt., about 1 1/4 lbs.

9R4262

Set of 4. 90c

Window Spring Bolts. 24c

Japanned bolt. Weight, per doz., about 9 ounces.

9R4264—Price, per doz. 24c

12c Stop Bead Iron Screws and Washers.

Wt., per doz., abt. 2 oz.

9R4780—Old copper polished finish.

Per dozen. \$1.20

9R4512—Lemon brass finish. Dozen. 12c

20c Per Set.

Pair of 2 1/2-inch steel butts, one steel sash fastener and one 2 1/2-inch hook and eye. Complete with screws. Weight, about 7 ounces.

9R4382

Per set. 20c

Cellar Window Set

20c Per Set.

Pair of 2 1/2-inch steel butts, one steel sash fastener and one 2 1/2-inch hook and eye. Complete with screws. Weight, about 7 ounces.

9R4382

Per set. 20c

Bar Sash Lifts.

Handle, 3 inches. Wt., abt. 3 oz.

9R4764—Polished old copper finish. Each. 18c

9R4528—Lemon brass finish. Each. 18c

Cast Sash Lifts. 8c

Size, 5 in. Wt., abt. 3 oz.

9R4762—Old copper finish. Price, each. 8c

9R4529—Lemon brass finish. Price, each. 8c

Ventilating Sash Fasteners. 22c

Allows windows to be left open at top, bottom, or both. Cast iron. Weight, about 3 oz.

9R4778—Old copper polished finish. Each. 22c

9R4516—Lemon brass finish. Price, each. 22c

Steel Sash 44c

Pulleys. Doz. 58c

Cast Iron Sash Pulleys. Doz. 58c

Mortised with 1-in. bit. Rapidly put in place. 2-inch wheel. Wt., per doz., abt. 4 lbs.

9R4256

Dozen. 44c

9R4254

Per doz. 58c

Crescent Pattern Sash Fasteners.

Cast iron. Wt., about 3 oz.

9R4772—Old copper finish. Price, each. 8c

9R4518—Lemon brass finish. Price, each. 8c

Standard Pattern Sash Fasteners.

Cast iron. Weight, about 2 ounces.

9R4774—Old copper polished finish. Price, each. 10c

9R4520—Lemon brass finish. Price, each. 10c

Side Sash Fasteners. 10c

Can be used on windows not equipped with wt. Cast wt.

9R4776—Old copper finish. Price, each. 10c

9R4514—Lemon brass finish. Price, each. 10c

Round End Noiseless Sash Pulleys. \$1.55

2 1/4-inch turned wheel for 7/8-in. rope or smaller. Size of face, 5 1/4 x 1 1/4 in. Cast iron. Weight, per doz., about 8 lbs.

9R4782

Polished old copper face. Dozen. \$1.55

9R4510

Lemon brass finish face. Dozen. \$1.60

Cellar Window Set

20c Per Set.

Pair of 2 1/2-inch steel butts, one steel sash fastener and one 2 1/2-inch hook and eye. Complete with screws. Weight, about 7 ounces.

9R4382

Per set. 20c

18c Per Pair.



Surface Hinges.

Electro Plated Steel Ball Tipped.

Width, open, 2 1/2 inches. Weight, about 2 ounces.

9R4842—Old copper finish. Price, per pair. 18c

9R4656—Lemon brass finish. Price, per pair. 18c

Glass Pull. 17c

1 1/2 inch. State size.

9R4460—Size, 1 inch. Weight, about 1 ounce.

Price, each. 15c

Size, 1 1/2 inches. Weight, about 2 ounces.

Price, each. 17c

Brass Knobs, 12c

Size, 1 1/4 in. Weight, about 1 oz.

9R4822

Old copper finish. Price, each. 12c

9R4462

Lemon brass finish. Price, each. 12c

Cupboard Turns, 12c.

Steel, electro plated. Weight, about 2 ounces.

9R4792

Old copper polished finish. Price, each. 7c

9R4500

Lemon brass finish. Price, each. 7c

Cupboard Catches. 7c

Steel, electro plated. Weight, about 2 ounces.

9R4792

Old copper polished finish. Price, each. 7c

9R4500

Lemon brass finish. Price, each. 7c

9R4258

Colonial Glass Knob \$1.95

Inside Lock Set.
Very popular and attractive. Complete with lemon brass finish key-hole escutcheons. Weight, about 2½ pounds.
9R4649
Price, per set.....\$1.95

Electric Push Buttons.
75c
9R4718
Genuine brass, old copper finish. Weight, abt. 3 ounces.
Price, each.....75c
9R4582
Genuine brass, lemon finish. Weight, about 3 ounces.
Price, each.....75c
See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

Bell Turns.
With 3½-inch nickel plated gong. Weight, each, about 1 pound.
9R4716
Genuine brass, old copper finish plate.
Price, each.....\$1.00
9R4584—Genuine brass, lemon finish plate.
Price, each.....\$1.00

Electric Push Buttons.
75c
9R4700
Genuine brass, old copper finish. Wt., about 3 oz.
Price, each.....75c
9R4600
Genuine brass, lemon finish. Weight, about 3 ounces.
Each.....75c
See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

Bell Turns.
\$1.00
With 3½-inch nickel plated gong.
9R4702
Genuine brass, old copper finish plate. Weight, about 1 pound.
Each.....\$1.00
9R4598—Genuine brass, lemon finish plate. Weight, about 1 pound.
Each.....\$1.00

Chain Door Fastener. 28c
A positive guard against tramps and other intruders. Door can be opened a few inches only and chain cannot be released until door is entirely closed. Size of plate, 6x1½ inches. Old copper finish. Weight, about 4 oz.
9R4799
Price, each.....28c

STRATFORD DESIGN

\$1.95 \$4.35 \$9.90 \$4.85
For Double Doors.

Inside Door Lock Sets.
Weight, about 2½ lbs.
9R4729
Genuine brass, old copper finish.
Price, per set.....\$1.95
9R4571
Genuine brass, lemon finish.
Price, per set.....\$1.95
Same as above, except has electro plated steel face, bolts, knobs and escutcheons. Wt., about 2 lbs.
9R4728
Old copper finish.
Price, per set.....90c
9R4570
Lemon brass finish.
Price, per set.....90c

Three-Tumbler Front Door Lock Sets.
Weight, about 4 pounds.
9R4724
Genuine brass, old copper finish.
Price, per set.....\$4.35
9R4576
Genuine brass, lemon finish.
Price, per set.....\$4.35

Cylinder Front Door Lock Sets.
Weight, about 5 pounds.
9R4726
Genuine brass, old copper finish.
Price, per set.....\$9.90
9R4574
Genuine brass, lemon finish.
Price, per set.....\$9.90

Sliding Door Lock Sets.
9R4722
Genuine brass, old copper finish.
For single doors. Weight, about 2½ lbs. Price, per set.....\$2.95
For double doors. Weight, about 3½ lbs. Price, per set.....\$4.85
9R4578
Genuine brass, lemon finish.
For single doors. Price, per set.....\$2.95
For double doors. Price, per set.....\$4.85

SHERIDAN DESIGN

\$2.60 \$4.40 \$11.70 \$5.60
For Double Doors.

Inside Door Lock Sets.
9R4713—Genuine brass, old copper finish. Weight, about 2½ lbs. Price, per set.....\$2.60
9R4587—Genuine brass, lemon finish. Weight, about 2½ lbs. Price, per set.....\$2.60
Same as above, except have electro plated steel face, knobs and escutcheons. Weight, about 2½ pounds.
9R4712—Old copper finish. Price, per set.....\$1.15
9R4586—Lemon brass finish. Price, per set.....\$1.15

Three-Tumbler Front Door Lock Sets.
9R4708
Genuine brass, old copper finish. Weight, about 4 pounds.
Price, per set.....\$4.40
9R4592
Genuine brass, lemon finish. Weight, about 4 pounds.
Price, per set.....\$4.40

Cylinder Front Door Lock Sets.
9R4710
Genuine brass, old copper finish. Weight, about 5 pounds.
Price, per set.....\$11.70
9R4590
Genuine brass, lemon finish. Weight, about 5 pounds.
Price, per set.....\$11.70

Sliding Door Lock Sets.
9R4706
Genuine brass, old copper finish. Weight, about 2½ pounds.
For single doors. Price, per set.....\$3.60
For double doors. Price, per set.....\$5.60
9R4594—Genuine brass, lemon finish. Weight, about 2½ lbs. For single doors. Price, per set.....\$3.60
For double doors. Price, per set.....\$5.60

Nickel Plated Bathroom Hardware.

Cupboard Turns.
15c
Nickel plated steel. Size, 1½x1½ inches. Weight, about 2 oz.
9R4408
Price, each.....15c

Drop Handles With Plates.
40c
Nickel plated, brass plate, 1½x3½ in. Cast brass handle, 3 inches. Wt., each, about 2 oz.
9R4402
Price, each.....40c

Brass Drop Handles. 22c
Plate, 3½ in. long. Wt., about 2 ounces.
9R4404
Nickel plated finish. Price, each.....22c

Brass Knobs. 8c
Nickel plated finish. Size, 1 in. Wt., abt. 1 oz.
9R4400
Each.....8c

Bathroom Hooks. 30c
Solid brass, nickel plated. Weight, about 3 oz.
9R4406
Price, each.....30c

Stratford Design Bathroom Lock Sets.
\$2.45
Genuine brass, one side nickel plated, the other side old copper finish. Wt., abt. 2½ lbs.
9R4422
Price, per set.....\$2.45

Ornamental Half Mortise Butts.
48c
3½-Inch.
Nickel plated steel.
9R4430
Size, in. 2 3/8. Wt., pair, 4 oz. 1½ lbs. Per pair.....34c 48c

Beveled Edge Half Mortise Butts.
51c
3½-Inch.
Nickel plated steel.
9R4428
Size, in. 2 3/8. Wt., pair, 4 oz. 1½ lbs. Per pair.....36c 51c

Loose Pin Nickel Plated Butts.
38c
3½-Inch.
Nickel plated steel.
9R4424
Per pair.....38c
9R4426—Size, 2½x2 inches, for medicine cases. Weight, about 14 oz. Per pair.....28c

Crescent Pattern Sash Fasteners. 8c
Nickel plated. Hold fast and prevent rattling. Wt., about 4 oz.
9R4410
Price, each.....8c

Bar Sash Lifts.
18c
Cast iron, nickel plated finish. 3-in. handle. Wt., each, about 3 oz.
9R4414
Price, each.....18c

Hook Sash Lifts.
7c
Genuine brass, nickel plated. Bevel edges. Size, 1½ in. Weight, about 1 ounce.
9R4412
Price, each.....7c

Casement Fasteners
17c
Nickel plated finish. Weight, about 4 ounces.
9R4416
Price, each.....17c
9R4418—Nickel plated finish. Weight, about 6 oz. Price, each.....21c

Casement or French Window Trim—Transom Hardware.

Casement Window and Screen Door Night Latches. \$2.65
\$5.65
For French windows. Weight, about 1½ lbs.
9R4755
Genuine brass, polished old copper finish. Price.....\$2.65
9R4527
Genuine brass, lemon finish. Price.....\$2.65

Universal Casement Adjuster.
85c
Made to handle all classes of French windows, swinging either in or out. Automatically locks at any position. Length, 12 inches. Weight, about 12 oz.
9R4752—Old copper finish. Price.....85c
9R4534—Lemon brass finish. Price.....85c

Transom Lifters.
27c
For use on transoms hinged at top, bottom, or pivoted in the middle.
AND UP State length.
9R4405—Copper finish. Length, feet.....3 1/4 4 5 Shpg. wt., abt., lbs. 1 1/4 2 2 1/2
9R4408—Electro plated, old copper finish. Length, feet.....3 1/4 4 5 Shpg. wt., abt., lbs. 1 1/4 2 2 1/2
Price.....44c 48c 66c
9R4411—Lemon brass finish. Length, feet.....3 1/4 4 5 Shpg. wt., abt., lbs. 1 1/4 2 2 1/2
Price.....44c 48c 66c

Casement Fasteners. 15c
Weight, about 4 ounces.
9R4758—Old copper finish. Price, each.....15c
9R4531—Lemon brass finish. Price, each.....15c

20c Casement Fasteners.
Wt., about 6 oz.
9R4756—Old copper finish. Price, each.....20c
9R4532—Lemon brass finish. Price, each.....20c

Transom Catches. 24c
Electro plated iron. Size, 2½x1½ inches.
9R4784—Old copper polished finish. Weight, each, about 4 ounces. Price, each.....24c
9R4508—Lemon brass finish. Weight, each, about 4 ounces. Price, each.....24c

Electro Plated Transom Butts.
20c Pair
Electro plated steel, heavy pattern, fast joints. State size.
9R4830—Old copper finish. Weight, Price, Size, per Pair, per Pair, Inches, About Pair 2½x2½ 1/4 lb. 20c 3x3 3/4 lb. 24c 3½x3½ 1 lb. 28c
9R4650—Lemon brass finish. Size, inches.....2½x2½ 3x3 3½x3½ Wt., per pair, about 1½ lb. 3 lb. 1 lb. Price, per pair.....20c 24c 28c

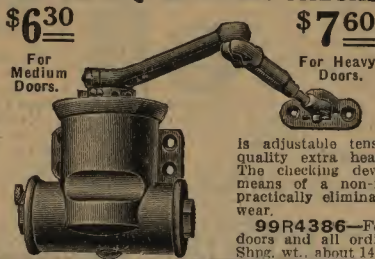
NOTE—All items on this page that require them are furnished complete with screws to match.

DOOR CHECKS DOUBLE ACTING SPRING HINGES

IMPROVED LIQUID DOOR CHECKS.

Noiseless door closing device which is simple, strong and durable. Very easy to apply and regulate. Its action is automatic, prompt and effective. Positively prevents the slamming of doors, destruction of glass and jarring of building.

99R4385
For medium inside doors and light outside doors. Shpg. wt., about 12 pounds.
Price, per set, **\$6.30**



\$7.60
For Heavy Doors.
The Improved Liquid Door Check is suitable for either right or left hand doors without changing. The spring is adjustable tension, made of first quality extra heavy spring steel. The checking device is operated by means of a non-freezing liquid and practically eliminates all friction and wear.

99R4386—For heavy inside doors and all ordinary outside doors. Shpg. wt., about 14 lbs. Price, **\$7.60**

"Can't-Sag" Double Acting Spring Hinges.

\$1.15
A Set. Black Finish.
Easily and quickly put on. No cutting of floors necessary. Adjustable tension. Suitable for all doors 1 1/4 to 1 3/4 in. thick. Prices below are for a complete set for one door. Shpg. wt., per set, abt. 4 lbs.

99R4372—Dead black finish. Price, per set, **\$1.15**
99R4844—Old copper finish. Price, per set, **\$1.20**
99R4657—Lemon brass finish. Price, per set, **\$1.20**

Adjustable Tension Spring Butts.

\$1.28 A PAIR
1-IN. SIZE
Reversible for right or left hand doors. Japanned steel. The largest hinge that the thickness of the door will permit works best.

99R4374—Double acting, swings both ways. State size. Weight, For per Pair, Doors, Price, Size, Abt. In. Thick per Pair

3 in.	3 lbs.	3/4 to 1	\$1.28
4 in.	4 lbs.	1 to 1 1/4	1.65
5 in.	6 lbs.	1 1/4 to 1 3/4	2.05
6 in.	9 lbs.	1 3/4 to 2	2.75

Rubber Tipped Door Holders.

60c
Black Finish.
Operated with foot. Holds door in a any position. Cannot injure floor or carpet. Weight, about 12 ounces.

99R4250—Dead black finish. Price, each, **60c**
99R4794—Old copper polished finish. Price, each, **65c**
99R4498—Lemon brass finish. Price, each, **65c**

GARAGE DOOR SET.



\$3.95
Complete Hardware for Double Garage Doors.
Set consists of three pairs 10 inch specially constructed extra heavy T hinges, 1 only 6-inch chain bolt, 1 only 6-inch foot bolt, 1 heavy thumb latch with inside door pull and 1 pair padlock eyes. All packed with the necessary screws. A strong and durable outfit neatly finished in dead black Japan. Shipping weight, about 20 pounds.

99R4450—Complete Garage Outfit. Price, **\$3.95**



DOOR BUTTS

Standard Quality. DOOR BUTTS. Attractive Prices.

43c A PAIR
3/2-In.
Electro plated steel. Very strong and durable. To hang a door with these butts you only need mortise regular butt part in jamb, set door, wedge to proper height and insert screws. Reversible for right or left hand doors. Sizes 1 1/2, 2 and 2 1/2-inch intended for boxes, cabinets, cupboards, etc. Larger sizes for house doors. 3-inch size for 1 1/2-inch doors or thinner, 3 1/2-inch size for 1 3/4-inch doors and 4-inch size for 1 3/4-inch doors. Butts have loose pins and are ball tipped. Size given is length of joint. State size.

99R4840—Old copper finish.
99R4655—Lemon brass finish.

Size, in.	1 1/2	2	2 1/2	3	3 1/2	4
Wt., abt., lbs.	1 1/2	2	2 1/2	3	3 1/2	4
Per pair,	18c	26c	31c	38c	43c	54c

Half Mortise Butts.

45c A PAIR
3/2-In.
Electro plated steel. Very strong and durable. To hang a door with these butts you only need mortise regular butt part in jamb, set door, wedge to proper height and insert screws. Reversible for right or left hand doors. Sizes 1 1/2, 2 and 2 1/2-inch intended for boxes, cabinets, cupboards, etc. Larger sizes for house doors. 3-inch size for 1 1/2-inch doors or thinner, 3 1/2-inch size for 1 3/4-inch doors and 4-inch size for 1 3/4-inch doors. Butts have loose pins and are ball tipped. Size given is length of joint. State size.

99R4838—Old copper finish.
99R4654—Lemon brass finish.

Size, in.	1 1/2	2	2 1/2	3	3 1/2	4
Wt., abt., lbs.	1 1/2	2	2 1/2	3	3 1/2	4
Per pair,	18c	27c	32c	39c	45c	56c

Anti-Friction Electro Plated Steel Ball PAIR Tipped Butts.

69c
3 1/2x3 1/2-In. With Patent Non-Rising Loose Pins.
These butts are fitted with anti-friction washers. Require no adjustment. Need no oiling and will permit the heaviest doors to swing easily, freely and noiselessly. Positively will not wear away at the joints. Cost a little more than ordinary butts—worth more. State size.

99R4834—Old copper finish.
99R4652—Lemon finish.

Size, in.	3x3	3 1/2x3 1/2	4x4	4 1/2x4 1/2	5x5
Wt., pair,	13oz.	1 1/2 lbs.	1 3/4 lbs.	2 1/2 lbs.	3 lbs.
Per pair,	66c	69c	74c	96c	1.20

Ball Tipped Loose Pin Steel Butts.

32c
3/2x3 1/2-In.
Electro plated steel butts of standard quality. State size.

99R4832—Old copper finish.
99R4651—Lemon brass finish.

Size, inches	2 1/2x2 1/2	3x3	3 1/2x3 1/2
Wt., about, lbs.	1 1/2	2	2 1/2
Price, pair,	26c	29c	32c
Size, inches	4x4	4 1/2x4 1/2	5x5
Wt., about, lbs.	2	2 1/2	3
Price, pair,	35c	43c	48c

Loose Pin Steel Butts.

14c
Pair 2 1/2x2 1/2-In. Heavy pattern, plain finish. State size.

99R4386—Wt., per pair, Price, Inches, About, Lbs. per Pair

2 1/2x2 1/2	1 1/2	14c
3x3	2	17c
3 1/2x3 1/2	2 1/2	23c
4x4	3	29c
4 1/2x4 1/2	3 1/2	34c

Fast Joint Narrow Steel Butts.

76c
Doz. Pairs Plain finish. State length. **99R4388**
Length, Wt., per Doz. Price, per Inches Pairs, Abt., Lbs. Doz. Pairs

1 1/2	1 1/2	\$0.39
1 3/4	1 3/4	.50
2	2	.62
2 1/4	2 1/4	.78
2 1/2	2 1/2	.98
3	3	1.20

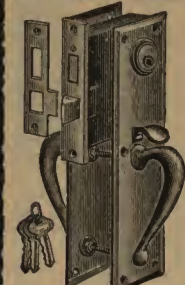
Fast Joint Brass Butts.

76c
Doz. Pairs 1-Inch. Light pattern, smoothly finished. State length. **99R4380**
Length, Wt., per Doz. Price, per Inches Pairs, Abt., Lbs. Doz. Pairs

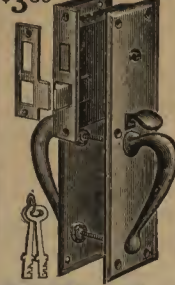
1 1/4	1	\$0.76
1 1/2	1 1/2	.95
1 3/4	1 3/4	1.10
2	2	1.30
2 1/4	2 1/4	1.60
2 1/2	2 1/2	1.95

STORE DOOR HANDLES AND LOCKS—DOOR BOLTS

Cylinder Store Door Locks.



Store Door Locks.



Store Door Locks.



Store Door Locks.



Size of Plate, 3x1 1/4 In. Weight, about 7 lbs.
99R4746—Genuine brass, old copper finish. Each, **\$10.75**
99R4537—Genuine brass, lemon finish. Each, **\$10.75**

Size of Plate, 3x1 1/4 In. Electro plated steel. Weight, about 5 lbs.
99R4748—Old copper finish. Price, each, **\$3.80**
99R4536—Lemon brass finish. Price, each, **\$3.80**

Size of Plate, 2 1/2x1 1/2 In. Iron plates and handles have electro plated polished bronze finish raised surfaces with dark background. Weight, about 4 1/2 lbs.
99R4432—Price, per set, complete **\$3.00**

Extra heavy japanned iron. Just the thing for factories anywhere where an attractive finish is essential. Size, plate, 2 1/2x1 1/2 In. Weight, about 4 lbs. Price, each, **\$9.42**

Mortise Door Bolts.

28c
Weight, about 4 oz.
99R4800—Old copper finish knob and escutcheon. Price, each, **28c**
99R4496—Lemon brass finish knob and escutcheon. Price, each, **28c**

Store Door Rim Dead Lock.

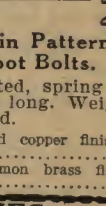
90c
Strong, heavy, very secure, japanned iron case, 5x3 1/2 inches; two nickel plated folding steel keys, about 2 1/2 pounds. Weight,
99R4053—Each, **90c**

Flush Extension Bolts.

\$1.05
State size. 12-IN.
99R4798—Old copper finish. Price, each, **\$1.05**
12 in. Wt., about 12 oz. Price, each, **\$1.10**
99R4494—Lemon brass finish. Price, each, **\$1.10**
12 in. Price, ea. **\$1.05**
18 in. Price, ea. **1.10**

Plain Pattern Chain Bolts.

50c
Electro plated, 6-inch bolt. Length of chain, 19 inches. Weight, about 14 oz.
99R4802—Old copper finish. Price, each, **50c**
99R4495—Lemon brass finish. Price, each, **50c**



LOCKS, KNOBS AND LATCHES

Tubular Rim Night Latch With 2 Keys.

40c
Japanned case, 3x2 in. For doors up to 1 1/2 inches thick. Brass escutcheon, plated bolt and knob. Two keys. Weight, about 1 pound.
99R4019—Price, each, **40c**

Cylinder Rim Night Latch With 3 Keys.

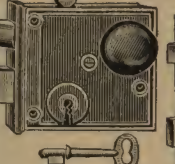
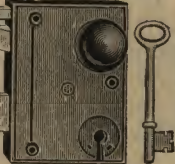
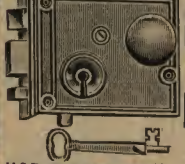
\$1.70
Brass and cylinder stamped escutcheon and japanned iron for door up to 2 inches thick. About 2 lbs. Weight,
99R4021—Price, each, **\$1.70**

Horizontal Lock.

40c
Size, 4x3 1/4 in. With three brass bolts, nickel plated steel key. Wt., abt. 2 1/2 lbs. about 2 1/2 lbs.
99R4029—With brown mineral knobs. Price, per set, **66c**
99R4033—With jet black knobs. Price, per set, **69c**
99R4031—Lock only, without knobs. Wt., each, abt. 1 1/2 lbs. Ea. **49c**

Upright Lock.

40c
Size, 4x3 1/4 in. With stop, iron bolts and turned key. Weight, about 2 lbs. with knobs, abt. 2 1/2 lbs.
99R4041—With brown mineral knobs. Price, per set, **39c**
99R4045—With jet black knobs. Price, per set, **41c**
99R4043—Lock only, without knobs. Wt., abt. 1 lb. Price, each, **22c**
99R4049—Locks only, with knobs. Wt., each, 1 1/2 lbs. Each, **22c**



Mortise Door Locks.

Japanned keyhole escutcheons. Case, 3 1/2x3 1/4 inches. Iron bolts, lacquered front and strike, turned key. Weight, about 2 pounds.
99R4073—With brown mineral knobs. Price, per set, **42c**
99R4071—Price, per set, **44c**
99R4067—Locks only, without knobs. Price, each, **28c**
99R4063—With brown mineral knobs. Price, per set, **69c**
99R4069—With jet black knobs. Price, per set, **70c**
99R4065—Locks only, without knobs. Price, each, **49c**

Mortise Knob Latches.

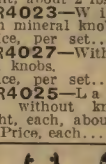
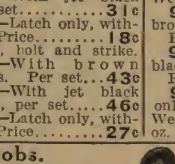
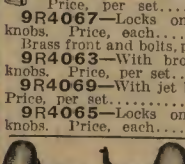
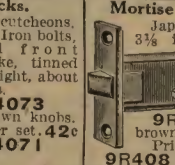
Japanned cases, 1 1/4 x 3 1/4 inches. Iron front, bolt and strike. Weight, about 1 1/2 pounds.
99R4085—With brown mineral knobs. Price, per set, **31c**
99R4081—With jet black knobs. Price, per set, **31c**
99R4075—Latch only, with out knobs. Price, each, **18c**
99R4083—With brown mineral knobs. Price, per set, **43c**
99R4075—With jet black knobs. Price, per set, **46c**
99R4077—Latch only, with out knobs. Price, **27c**

Rim Door Latch.

Size, 4x2 1/2 in. Iron bolts, japanned. Weight, about 2 lbs.
99R4023—W 1 lb. brown mineral knob. Price, per set, **18c**
99R4027—With black knobs. Price, per set, **18c**
99R4025—L 1 lb. only, without knob. Weight, each, about 1 oz. Price, each, **18c**

Door Knobs.

Weight, per pair, about 14 oz.
99R4055—Mineral. For rim locks. Per pair, **17c**
99R4057—Jet black. For mortise locks. Per pair, **17c**



RUBBER TIPPED METAL BASE KNOB.
Polished wrought steel, electro plated. Length, 3 in. Weight, abt. 3 oz.
9R4828—Old copper polished finish. Each, 9c
9R4456—Lemon brass finish. Each, 9c

RUBBER TIPPED BIRCH BASE KNOB.
Strong screws, good quality tips. Weight, about 2 ounces.
9R4087
Price, each.....2c

\$5.95 Parlor Door Hangers and Track.
Ball bearing vulcanized fiber wheels. Steel track. Hanger adjustable. Direction packed with each set. Prices include track. State size opening wanted.

99R4459 For Double Doors. Size Shpg. Price, Open-Ing. 4 ft. 25 lbs. \$4.95 5 ft. 30 lbs. 5.40 6 ft. 35 lbs. 5.95 7 ft. 40 lbs. 6.45

99R4455 For Single Doors. Size Shpg. Price, Open-Ing. 3 ft. 16 lbs. \$2.95 4 ft. 21 lbs. 3.40 5 ft. 26 lbs. 3.90 6 ft. 29 lbs. 4.45

COAT AND HAT HOOKS.

29c For 3 dozen.
Copper plated wire. Length, 3 in. Weight, about 2 lbs.
9R4197 Pkg. of 3 dozen. 29c

36c 3 doz.
Copper plated wire. Length, 3 in. Weight, about 2 lbs.
9R4199 Pkg. of 3 dozen. 36c

40c Electro plated, old iron. Projects from wall 3 in. Spread, about 1 1/4 lbs.
9R4201 Each....40c

44c Per Doz.
Japanned iron. L'gth, 3 in. Wt., about 3 pounds.
9R4203 Per doz., 44c

5c Electro Plated.
L'gth, 3 in. Wt., about 3 pounds.
9R4205 Per doz., 5c

15c Electro Plated.
L'gth, 3 in. Wt., about 3 pounds.
9R4207 Per doz., 15c

WROUGHT STEEL SHELF BRACKETS.
State size wanted.

13c 4x5 in. 1 lb. 13c
Pair 6x8 in. 3 lb. 20c
Pair 7x9 in. 4 lb. 25c
Pair 8x10 in. 5 lb. 30c
Pair 10x12 in. 8 lb. 45c
Pair 12x14 in. 12 lb. 52c

WROUGHT STEEL CORNER IRONS.
Doz. 19c and Up.

9R4191 Size, inches.....1x1/2 2x2 3x3 4x4
Wt. doz., abt., lbs. 1 1/2 2 3 4
Per pkg. of 1 dozen. 19c 29c 42c 72c

WROUGHT STEEL MENDING PLATES.
Doz. 30c and Up.

9R4189 State size. 30c and Up.

GALVANIZED AWNING PULLEYS.
Take 1/2-inch rope. 1 1/2-inch wheels.

9R4181 Single Wheel. Wt., each, abt. 7 oz. Price, each, 7c

9R4183 Double Wheel. Wt., each, abt. 10 oz. Price, each, 9c

JAPANNED SCREW PULLEYS.
Take rope 1/2 inch or smaller. State size.

9R4179 Size Wheel About Each 2 in. 4 oz. 7c 2 1/2 in. 8 oz. 12c

JAPANNED WELL WHEELS.
Take 1/2-inch rope. Regula-lar well chain can also be used. Width of frame, 10 inches. Weight, about 4 lbs.
9R4177—Ea. 59c

ASH PIT OR FUEL DOOR.
Heavy cast iron. Price includes door and frame. Complete as shown. State size.

9R4395 Size Shpg. Wt. Opening Abt. In. Lbs. Price 8x8 11 \$0.75 8x11 12 1.20 10x12 16 1.30 10x14 18 1.70

FOOT SCRAPER.
Has a brush on end of the scraper, neatly finished. Weight, about 1 1/4 lbs.
9R4187—Price.....38c

JAPANNED STEEL FOOT SCRAPER.
9R4185—Tough steel, very rigid, not easily broken, 6 inches wide. Weight, about 12 oz. Price.....12c

TRUNK LOCK.
Heavy brass. Length, 6 1/2 inches. Wt., about 9 oz.
9R4334 Price, each.....98c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

All Patterns and Styles. Our Prices Save You Money.

Delta 17c
FRAM 26c
FRAM 29c
FRAM 48c
ARMOR 58c
HARVARD 86c

BRASS PLATED STEEL.
Width, 2 in.; Length, 3 in. Wt., about 5 ounces.
9R4350 Price...17c

SOLID BRASS CASE, STEEL SPRING SHACKLE.
Width, 2 in.; Length, 2 1/2 in. Wt., about 7 oz.
9R4351 Price...26c

BRASS PLATED STEEL CASE. HEAVY SPRING SHACKLE.
Width, 2 1/2 in.; Height, 3 1/2 in. Wt., about 10 oz.
9R4352 Price...29c
9R4353 Price...48c
9R4356 Price...58c
9R4362 Price...86c

TRUNK LOCK.
Brass plated steel. Length, 6 1/2 inches. Wt., about 9 oz.
9R4334 Price, each.....98c

SUIT CASE OR BOX LOCK.
Nickel plated brass. Size, 2 1/4 x 2 inches. Wt., about 2 oz.
9R4332—Each.....33c
9R4333—Each.....48c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

WARDROBE OR CUPBOARD LOCKS.
Width, 1 1/4 in. Length, 2 1/2 in. Wt., abt. 2 oz. One key. Wt., abt. 2 oz.
9R4328—Each.....9c
9R4329—Each.....12c
9R4330—Each.....42c

PADLOCKS.

ARMOR 58c
HARVARD 86c
FRAM 29c
FRAM 48c
FRAM 26c
Delta 17c

Very attractive, strong and secure.
Cast bronze case and shackle. Width, 2 inches; Length, 3 inches; Weight, about 9 ounces.
9R4365—With chain.....\$1.15
9R4363—With chain.....\$1.05

Combination Padlock.
No keys to lose. Operates by sight or by sense of touch in the dark. Wt., abt. 6 oz. Length, 3 inches; Width, 2 inches; Weight, about 9 ounces.
9R4369—With brass case and steel shackle.....\$1.25
9R4368—Same as above, but with steel case and shackle and brass knob.....\$1.05

Made from a solid block of brass bored out to receive mechanism.
Size, 1 1/2 x 1 1/2 x 1 1/2 inches. Wt., about 13 oz.
9R4367—With 9-in. brass chain.....\$2.00
9R4366—With chain.....\$1.95

"Silent Glides" For Furniture.
Slide easily and silently. Just drive them on with a hammer. State size. Wt., about 1 oz.
9R4133—Diam. 1/2 inch. 1 1/2 1 3/8 1 5/8 1 7/8
Price, per set of four.....8c 8c 8c 8c

GRIP NECK FURNITURE CASTER.
Steel horn, 3/4 x 1 1/2-inch sockets. State size.
9R4135—Hardwood wheel. Size of wheel, abt. 1 1/2 inches. Weight, about, ounces. 8 12 16
Price, per set of 4.....11c 15c 15c
9R4137—Steel wheel. Size of wheel, abt. 1 1/2 inches. Weight, about, ounces. 8 12 16
Price, per set of 4.....13c 17c 17c

ANTI-FRICTION ROLLER BEARING CASTER.
Set of 4. 30c and Up.
Wheel. Wt. Set, Set of About Abt. Lbs. Four
9R4149 1 1/2 in. 1 1/2 30c
9R4151 1 3/4 in. 1 3/4 40c
9R4153 1 7/8 in. 1 7/8 60c
9R4155 2 in. 2 65c

STOVE OR FURNITURE CASTERS.
Roller bearing. Moves stoves and heavy furniture with little effort. Shpg. wt., about 10 lbs.
99R4380—Price, per set of 4.....\$1.15

FAULTLESS BED CASTERS AND SOCKETS WITH HARDWOOD WHEELS.
9R4139—To fit tubing 3/4 inch inside. About 1 1/2-inch wheel. Weight, per set, about 8 ounces. Price, per set of 4.....22c
9R4140—To fit tubing 1 1/4 inch inside. About 1 1/2-inch wheel. Weight, per set, about 1 lb. Price, per set of 4.....32c

SELF LOCKING BLIND HINGES.
With Screws. Wt. Abt. 1/4 Lbs.
9R4384 For frame houses. Gray iron. Price.....17c

ENAMELED THUMB LATCH AND HANDLES.
13c
For doors 1/2 to 1 1/2 in. thick. Wt., about 12 ounces.
9R4017 Price, each.....13c

"Metal-Felt" Weather Strip.
THE GREAT FUEL SAVER.
For Doors.
For Windows.
\$2.25 In packages (104 lineal feet) sufficient for one door, sizes up to 37 feet and four double windows, sizes 36x36 inches and smaller. Complete with nails. Shpg. wt., abt. 4 lbs.
9R4404—Price, per package.....\$2.25

ALUMINUM LETTERS AND FIGURES.
CAB 642
Polished finish. Will not rust. Complete with nails for fastening to wood. State letter or figures wanted. Wt., Abt. Each
9R4001—Size, 2 in., any letter 1/2 oz. 8c
9R4002—Size, 3 in., any letter 1/2 oz. 11c
9R4003—Commas.....20 to oz. 4c
9R4004—Periods.....33 to oz. 8c
9R4005—Size, 2 in., any figure 1/2 oz. 11c
9R4006—Size, 3 in., any figure 1/2 oz. 11c
9R4007—Size, 4 in., any figure. Weight, about 1 oz. Each.....13c

SWIVEL BOX OR TRUCK CASTER.
Cast iron, with screws. State size.
Wheel, Abt. Price, Wt. In. Lbs. Each
9R4169 4 3 60c
9R4170 5 6 85c

HEAVY FURNITURE, BOX OR TRUCK CASTER.
Cast iron, roller bearing, iron wheel, with screws. State size.
Wheel, Abt. Price, Wt. In. Lbs. Each
9R4157 1 1/2 1 35c
9R4159 1 3/4 1 40c
9R4161 1 1/2 2 60c
9R4163 1 7/8 2 70c

FURNITURE, BOX OR TRUCK CASTER.
State size. Wheel, Set, Set of Inches Pounds Four
9R4165 2 1/2 in. 8 lbs. \$1.30
9R4167 3 in. 13 lbs. 1.85

Sears, Roebuck and Co. Chicago

Fulton High Grade 6-Tube Spring Punch.

Does the Work of Six Single Tube Punches.

\$1.12



SIX HOLLOW TUBES OF DIFFERENT SIZES.

Invaluable for repairing harness, belt, or for any purpose where a good punch is desired. Has six tubes, all different sizes, quickly set for any size. Tubes and spring are of tempered steel. Length, 8 inches. Weight, about 12 oz.

9R5865-Price.....\$1.12

Fulton High Grade 4-Tube Spring Punch.

Four tubes, all different sizes. Tubes and spring are tempered steel. Length, 8 inches. Weight, about 12 ounces.

9R5864-Price.....93c

SINGLE TUBE PUNCH.

Single tube pattern. Length, 7 1/2 inches. Tube sizes, 4, 6, 8 and 10. State size. Weight, about 8 ounces.

9R5863-Price.....54c

Lever Riveting Machine.

Quick, convenient. Strong and substantial. Takes tubular rivets. 9R5852 and 9R5853 shown on this page. Will not take solid rivets. Weight, about 4 pounds.

9R5850-Price.....45c

Combination Riveting Machine and Leather Punch.

Strong and substantial. Japanese finish, with polished anvil. Uses either split or tubular rivets. Wt., about 4 lbs.

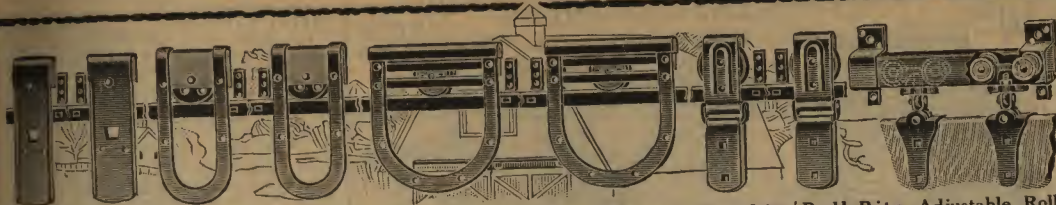
9R5851-Price.....\$1.05

Japanned Tubular Steel Rivets.

For use with riveting machines shown on this page and other similar riveting machines. State size wanted.



9R5853-Japanned Tubular Steel Rivets, 100 in box. Length, inch.....1 1/4 1 1/2 1 3/4 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 10 1/2 11 11 1/2 12 12 1/2 13 13 1/2 14 14 1/2 15 15 1/2 16 16 1/2 17 17 1/2 18 18 1/2 19 19 1/2 20 20 1/2 21 21 1/2 22 22 1/2 23 23 1/2 24 24 1/2 25 25 1/2 26 26 1/2 27 27 1/2 28 28 1/2 29 29 1/2 30 30 1/2 31 31 1/2 32 32 1/2 33 33 1/2 34 34 1/2 35 35 1/2 36 36 1/2 37 37 1/2 38 38 1/2 39 39 1/2 40 40 1/2 41 41 1/2 42 42 1/2 43 43 1/2 44 44 1/2 45 45 1/2 46 46 1/2 47 47 1/2 48 48 1/2 49 49 1/2 50 50 1/2 51 51 1/2 52 52 1/2 53 53 1/2 54 54 1/2 55 55 1/2 56 56 1/2 57 57 1/2 58 58 1/2 59 59 1/2 60 60 1/2 61 61 1/2 62 62 1/2 63 63 1/2 64 64 1/2 65 65 1/2 66 66 1/2 67 67 1/2 68 68 1/2 69 69 1/2 70 70 1/2 71 71 1/2 72 72 1/2 73 73 1/2 74 74 1/2 75 75 1/2 76 76 1/2 77 77 1/2 78 78 1/2 79 79 1/2 80 80 1/2 81 81 1/2 82 82 1/2 83 83 1/2 84 84 1/2 85 85 1/2 86 86 1/2 87 87 1/2 88 88 1/2 89 89 1/2 90 90 1/2 91 91 1/2 92 92 1/2 93 93 1/2 94 94 1/2 95 95 1/2 96 96 1/2 97 97 1/2 98 98 1/2 99 99 1/2 100 100 1/2 101 101 1/2 102 102 1/2 103 103 1/2 104 104 1/2 105 105 1/2 106 106 1/2 107 107 1/2 108 108 1/2 109 109 1/2 110 110 1/2 111 111 1/2 112 112 1/2 113 113 1/2 114 114 1/2 115 115 1/2 116 116 1/2 117 117 1/2 118 118 1/2 119 119 1/2 120 120 1/2 121 121 1/2 122 122 1/2 123 123 1/2 124 124 1/2 125 125 1/2 126 126 1/2 127 127 1/2 128 128 1/2 129 129 1/2 130 130 1/2 131 131 1/2 132 132 1/2 133 133 1/2 134 134 1/2 135 135 1/2 136 136 1/2 137 137 1/2 138 138 1/2 139 139 1/2 140 140 1/2 141 141 1/2 142 142 1/2 143 143 1/2 144 144 1/2 145 145 1/2 146 146 1/2 147 147 1/2 148 148 1/2 149 149 1/2 150 150 1/2 151 151 1/2 152 152 1/2 153 153 1/2 154 154 1/2 155 155 1/2 156 156 1/2 157 157 1/2 158 158 1/2 159 159 1/2 160 160 1/2 161 161 1/2 162 162 1/2 163 163 1/2 164 164 1/2 165 165 1/2 166 166 1/2 167 167 1/2 168 168 1/2 169 169 1/2 170 170 1/2 171 171 1/2 172 172 1/2 173 173 1/2 174 174 1/2 175 175 1/2 176 176 1/2 177 177 1/2 178 178 1/2 179 179 1/2 180 180 1/2 181 181 1/2 182 182 1/2 183 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933 1/2 934 934 1/2 935 935 1/2 936 936 1/2 937 937 1/2 938 938 1/2 939 939 1/2 940 940 1/2 941 941 1/2 942 942 1/2 943 943 1/2 944 944 1/2 945 945 1/2 94



Genuine Dewey Stock Waterer.
The Kind Used by Stockmen Everywhere.
A popular and successful stock waterer. Easily attached to tank or barrel. Valve is on inside of barrel and is regulated by a brass float. Trough is made of cast iron and holds 1 gallon. Furnished complete with rubber gaskets, strainer, wood blocks and directions for attaching. Shipping weight, about 13 lbs.
99R6270—Price,\$1.65
For individual stock waterers see page 1122.



\$1.65

Standard Barn Door Hangers With Track.

Our Price Complete **\$130** For 4-Foot Doors.

Price includes necessary bolts and screws for putting up. Hangers are strong and serviceable and are fitted with safety attachment, which prevents their jumping the track. Wheel is 7 1/4 inches in diameter and runs on steel roller bearings. Track made of round edge steel, size 1 1/4 x 1/4 inches. Complete with brackets.
99R4465—For 4-foot doors. Price includes one pair hangers, 8 feet of track with necessary bolts and screws for putting up. Shpg. wt., about 14 lbs. Price, complete,\$1.30

99R4466—For 6-foot doors. Price includes one pair hangers, 12 feet of track with necessary bolts and screws for putting up. Shpg. wt., about 19 lbs. Price, complete,\$1.65

Roller Bearing Barn Door Hangers With Track.

Our Price Complete **\$190** For 6-Foot Doors.

Price includes necessary bolts and screws for putting up. Hangers have cold rolled steel axles and anti-friction bearings, fully covered to protect them from the weather. With the exception of the wheel, hangers are made entirely of steel. Track made of round edge steel, size 1 1/4 x 1/4 inches. Complete with brackets.

99R4472—For 6-foot doors. Price includes one pair hangers, size of frame 5x10 1/4 inches, with 3 1/2 inch wheel; 16 feet of track with necessary bolts and screws for putting up. Shipping weight, about 17 lbs. Price, complete,\$1.90

99R4473—For 8-foot doors. Price includes one pair hangers, size of frame 6x12 inches, with 3 1/2 inch wheel; 16 feet of track with necessary bolts and screws for putting up. Shipping weight, about 23 lbs. Price, complete,\$2.55

Anti-Friction Barn Door Hangers With Track.

Our Price Complete **\$275** For 8-Foot Doors.

Price includes necessary bolts and screws for putting up. Hangers are made entirely of steel except the wheel, and are fully covered to protect wheels from snow and ice. Run smoothly and are built to stand hard service. Wheels have a deep groove to prevent jumping the track. Track is heavy and strong, made of 1 1/4 x 1/4 inch round edge steel, complete with brackets.

99R4475—For 8-foot doors. Price includes one pair hangers, size of frame 9x10 1/4 inches, with 3-inch wheel; 16 feet of track with necessary bolts and screws for putting up. Shipping weight, about 28 pounds. Price, complete,\$2.75

99R4476—For 10-foot doors. Price includes one pair hangers, size of frame 11 1/2 x 11 1/4 inches, with 4-inch wheel; 20 feet of track with necessary bolts and screws for putting up. Shipping weight, about 34 lbs. Price, complete,\$3.25

Rockwell Hinge Joint Barn Door Hangers With Track.

Our Price Complete **\$280** For 10-Ft. Doors.

Price includes necessary bolts and screws for putting up. Hangers have hinge joint which prevents binding when up or down. Are made entirely of steel, except the wheel; have steel roller bearings and hood to protect wheel from storm. Suitable for doors 1 1/2 inches thick. Track is heavy and strong, made of 1 1/4 x 1/4 inch round edge steel, complete with brackets.

99R4479—For 8-foot doors. Price includes one pair hangers, 16 feet of track with necessary bolts and screws for putting up. Shpg. wt., abt. 25 lbs. Price, complete,\$2.45

99R4480—For 10-foot doors. Price includes one pair hangers, 20 feet of track with necessary bolts and screws for putting up. Shpg. wt., abt. 29 lbs. Complete,\$2.80

Roll-Rite Adjustable Roller Bearing Trolley Barn Door Hangers.

No binding. No sagging. **\$140** Per Pair. Easy Troubleshooting.

This is our best type of barn door hanger because it has both lateral and vertical adjustment which gives door any clearance or alignment desired without the necessity of blocking up or removing door. Heavy malleable iron frame. Electro galvanized steel wheels, cold rolled steel axles. Made to stand the hardest kind of usage on the heaviest doors. Set consists of two hangers (one pair), one center bracket and two end brackets for track. Suitable for 1 1/2 inch doors. Shipping weight, about 10 pounds.

99R4468—Set complete without track. Price, with necessary bolts and screws for attaching,\$1.40

99R4469—Heavy Japanned Steel Trolley Track for above hangers. Price does not include brackets. State length. Shipping weight, about 1 1/2 pounds to the foot.
Lgth., ft. 4 5 6 8 10
Price,\$1.05 \$1.26 \$1.68 \$2.10

99R4241—Japanned Steel Center Brackets for above track. Brackets should not be more than 3 feet apart. Price includes lag screws. Weight, about 12 ounces. Price, each,14c

Heavy Standard Barn Door Track.

42c For 6 Feet.

Made of round edge steel, 1 1/4 x 1/4 inch. Strong enough to carry the heaviest door. Furnished with necessary screws for attaching. State length.

99R1040 Length, feet, 6 8 10
Shipping weight, about, pounds, 42 56 70
Price, per length, 42c 56c 70c

Barn Door Stay Roller.

15c

Adjustable to any thickness door. Weight, about 12 oz.

99R240 Price, including bolts,15c

Japanned Door Button.

99R205—Without plates or screws. State size.

Length, 1 1/2 inches. Weight, about 6 ounces.

Price, per dozen,7c

Length, 2 inches. Weight, about 10 ounces.

Price, per dozen,8c

Extra Heavy Steel T Hinges.

Price, With Screws, 25c to 90c Per Pair.

Size given is measurement from joint to end of hinge.

99R4399—State size.

Size, inches, 6 8 10 12 14
Wt., pair, about, lbs., 3 4 6 8
Per pair, with screws, 25c 35c 50c 70c 90c

Light Steel T Hinges.

Price, With Screws, 9c to 20c Per Pair.

Size given is measurement from joint to end of hinge.

99R4398—State size.

Size, inches, 3 4 6 8
Weight, pair, about, oz., 4 5 8 12
Per pair, with screws, 9c 11c 15c 20c

Japanned Barn Door Bolt.

Heavy bolt, 7/8 inch. Wt., about 1 1/2 pounds.

99R4246 Price, with screws,32c

Barn Door Pull.

Steel, japanned, 8 1/4 in. Length, screws, Wt., about 4 oz.

99R4236 Price,9c

99R4237 Cast iron, japanned. Weight, about 2 lbs.

99R4234 Price, with screws,21c

Yankee Door Catch.

9c

Made of cast iron, japanned, with screws.

Weight, about 6 oz.

99R242—Price, with screws,9c

"Storm King" Trolley Barn Door Hanger

Complete With Adjustable Rail. Our Price, **\$370**

Sold in Complete Sets Only.



A strong, simple, easily applied hanger. It is stormproof, birdproof and cannot jump the track. Turning in lag screw at upper end of adjusting bracket throws door out from building, making it possible to get any clearance necessary when barn is bulged or out of line. Set of double rolled hangers complete with 16 feet of adjustable rail, screws, clips, brackets, etc. Suitable for any door up to 8 feet wide. Shipping weight, about 35 pounds.

99R4477—Hangers and Rail. Price, complete,\$3.70

99R4478—Hangers and Rail. Price, complete,\$3.70

PACKED COMPLETE FOR 8-FOOT DOORS ONLY. WE DO NOT BREAK SETS.

Heavy Steel Strap Hinges.

Price, With Screws, 20c to 75c Per Pair.

Size given is length from joint to end of hinge. State size.

99R4395—Size, inches, 6 8 10 12 14
Weight, pair, about, lbs., 1 1/2 2 1/2 4 6 8
Price, per pair, with screws, 20c 30c 45c 60c 75c

Light Steel Strap Hinges.

Price, With Screws, 10c to 19c Per Pair.

Size given is length from joint to end of hinge. State size.

99R4394—Size, inches, 3 4 6 8
Weight, pair, about, ounces, 4 6 8 12
Price, per pair, with screws, 10c 13c 16c 19c

Protection Hinge Hasp.

With Screws. 99R4213—Size, 4 1/2 in. Length, 7 1/2 in. Weight, about 6 ounces. Price,17c

99R4214—Size, 6 in. Length, 7 1/2 in. Weight, about 10 ounces. Price,23c

Security Combined Hook and Hasp.

2 for 18c

Length, 7 1/2 in. Weight, about 12 oz.

99R4209 Price, 2 for,18c

Steel Hasp Hook and Staples.

99R4211 State size. Length, in. 6 8 10 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100 104 108 112 116 120 124 128 132 136 140 144 148 152 156 160 164 168 172 176 180 184 188 192 196 200 204 208 212 216 220 224 228 232 236 240 244 248 252 256 260 264 268 272 276 280 284 288 292 296 300 304 308 312 316 320 324 328 332 336 340 344 348 352 356 360 364 368 372 376 380 384 388 392 396 400 404 408 412 416 420 424 428 432 436 440 444 448 452 456 460 464 468 472 476 480 484 488 492 496 500 504 508 512 516 520 524 528 532 536 540 544 548 552 556 560 564 568 572 576 580 584 588 592 596 600 604 608 612 616 620 624 628 632 636 640 644 648 652 656 660 664 668 672 676 680 684 688 692 696 700 704 708 712 716 720 724 728 732 736 740 744 748 752 756 760 764 768 772 776 780 784 788 792 796 800 804 808 812 816 820 824 828 832 836 840 844 848 852 856 860 864 868 872 876 880 884 888 892 896 900 904 908 912 916 920 924 928 932 936 940 944 948 952 956 960 964 968 972 976 980 984 988 992 996 1000

"No-Sag" Adjustable Gate Hinge.

155c

The lower hinge is quickly adjustable by ratchet action to take up the sag so gate always swings clear of the ground. Also gate may be raised to allow small animals to pass under. Furnished complete with necessary bolts, screws, etc., and directions for attaching. Shipping weight, about 10 pounds.

99R4431—Per set for one gate,\$1.55

Galvanized Hitching Rings.

2 for 21c

Steel screw. Weight, about 8 ounces.

99R216—Price, 2 for,21c

Polished Staples.

42c

99R218—Assorted lengths, 1 1/2 to 3 inches. Six dozen in a box. Weight, about 2 pounds.

Price, per box,42c

Pivoted Gate Hanger.

85c

Strong, convenient and durable. Works easily. Only one hanger required for a gate. Weight of gate hangs on center and at its strongest point. Made of steel, japanned. Fastens to post with two lag bolts. Lag bolts included. Weight, about 5 lbs.

99R4230—Price,85c

Heavy Steel Screw Strap Hinges.

Price, With Bolts, 48c 12-in. 14-in. 16-in. 18-in. 20-in. 22-in. 24-in. 26-in. 28-in. 30-in. 32-in. 34-in. 36-in. 38-in. 40-in. 42-in. 44-in. 46-in. 48-in. 50-in. 52-in. 54-in. 56-in. 58-in. 60-in. 62-in. 64-in. 66-in. 68-in. 70-in. 72-in. 74-in. 76-in. 78-in. 80-in. 82-in. 84-in. 86-in. 88-in. 90-in. 92-in. 94-in. 96-in. 98-in. 100-in. 102-in. 104-in. 106-in. 108-in. 110-in. 112-in. 114-in. 116-in. 118-in. 120-in. 122-in. 124-in. 126-in. 128-in. 130-in. 132-in. 134-in. 136-in. 138-in. 140-in. 142-in. 144-in. 146-in. 148-in. 150-in. 152-in. 154-in. 156-in. 158-in. 160-in. 162-in. 164-in. 166-in. 168-in. 170-in. 172-in. 174-in. 176-in. 178-in. 180-in. 182-in. 184-in. 186-in. 188-in. 190-in. 192-in. 194-in. 196-in. 198-in. 200-in. 202-in. 204-in. 206-in. 208-in. 210-in. 212-in. 214-in. 216-in. 218-in. 220-in. 222-in. 224-in. 226-in. 228-in. 230-in. 232-in. 234-in. 236-in. 238-in. 240-in. 242-in. 244-in. 246-in. 248-in. 250-in. 252-in. 254-in. 256-in. 258-in. 260-in. 262-in. 264-in. 266-in. 268-in. 270-in. 272-in. 274-in. 276-in. 278-in. 280-in. 282-in. 284-in. 286-in. 288-in. 290-in. 292-in. 294-in. 296-in. 298-in. 300-in. 302-in. 304-in. 306-in. 308-in. 310-in. 312-in. 314-in. 316-in. 318-in. 320-in. 322-in. 324-in. 326-in. 328-in. 330-in. 332-in. 334-in. 336-in. 338-in. 340-in. 342-in. 344-in. 346-in. 348-in. 350-in. 352-in. 354-in. 356-in. 358-in. 360-in. 362-in. 364-in. 366-in. 368-in. 370-in. 372-in. 374-in. 376-in. 378-in. 380-in. 382-in. 384-in. 386-in. 388-in. 390-in. 392-in. 394-in. 396-in. 398-in. 400-in. 402-in. 404-in. 406-in. 408-in. 410-in. 412-in. 414-in. 416-in. 418-in. 420-in. 422-in. 424-in. 426-in. 428-in. 430-in. 432-in. 434-in. 436-in. 438-in. 440-in. 442-in. 444-in. 446-in. 448-in. 450-in. 452-in. 454-in. 456-in. 458-in. 460-in. 462-in. 464-in. 466-in. 468-in. 470-in. 472-in. 474-in. 476-in. 478-in. 480-in. 482-in. 484-in. 486-in. 488-in. 490-in. 492-in. 494-in. 496-in. 498-in. 500-in. 502-in. 504-in. 506-in. 508-in. 510-in. 512-in. 514-in. 516-in. 518-in. 520-in. 522-in. 524-in. 526-in. 528-in. 530-in. 532-in. 534-in. 536-in. 538-in. 540-in. 542-in. 544-in. 546-in. 548-in. 550-in. 552-in. 554-in. 556-in. 558-in. 560-in. 562-in. 564-in. 566-in. 568-in. 570-in. 572-in. 574-in. 576-in. 578-in. 580-in. 582-in. 584-in. 586-in. 588-in. 590-in. 592-in. 594-in. 596-in. 598-in. 600-in. 602-in. 604-in. 606-in. 608-in. 610-in. 612-in. 614-in. 616-in. 618-in. 620-in. 622-in. 624-in. 626-in. 628-in. 630-in. 632-in. 634-in. 636-in. 638-in. 640-in. 642-in. 644-in. 646-in. 648-in. 650-in. 652-in. 654-in. 656-in. 658-in. 660-in. 662-in. 664-in. 666-in. 668-in. 670-in. 672-in. 674-in. 676-in. 678-in. 680-in. 682-in. 684-in. 686-in. 688-in. 690-in. 692-in. 694-in. 696-in. 698-in. 700-in. 702-in. 704-in. 706-in. 708-in. 710-in. 712-in. 714-in. 716-in. 718-in. 720-in. 722-in. 724-in. 726-in. 728-in. 730-in. 732-in. 734-in. 736-in. 738-in. 740-in. 742-in. 744-in. 746-in. 748-in. 750-in. 752-in. 754-in. 756-in. 758-in. 760-in. 762-in. 764-in. 766-in. 768-in. 770-in. 772-in. 774-in. 776-in. 778-in. 780-in. 782-in. 784-in. 786-in. 788-in. 790-in. 792-in. 794-in. 796-in. 798-in. 800-in. 802-in. 804-in. 806-in. 808-in. 810-in. 812-in. 814-in. 816-in. 818-in. 820-in. 822-in. 824-in. 826-in. 828-in. 830-in. 832-in. 834-in. 836-in. 838-in. 840-in. 842-in. 844-in. 846-in. 848-in. 850-in. 852-in. 854-in. 856-in. 858-in. 860-in. 862-in. 864-in. 866-in. 868-in. 870-in. 872-in. 874-in. 876-in. 878-in. 880-in. 882-in. 884-in. 886-in. 888-in. 890-in. 892-in. 894-in. 896-in. 898-in. 900-in. 902-in. 904-in. 906-in. 908-in. 910-in. 912-in. 914-in. 916-in. 918-in. 920-in. 922-in. 924-in. 926-in. 928-in. 930-in. 932-in. 934-in. 936-in. 938-in. 940-in. 942-in. 944-in. 946-in. 948-in. 950-in. 952-in. 954-in. 956-in. 958-in. 960-in. 962-in. 964-in. 966-in. 968-in. 970-in. 972-in. 974-in. 976-in. 978-in. 980-in. 982-in. 984-in. 986-in. 988-in. 990-in. 992-in. 994-in. 996-in. 998-in. 1000-in.

99R4390—Size, inches, 10 12 14
Weight, pair, about, pounds, 4 5 6
Price, per pair, with bolts for attaching,43c 48c 54c

Tinned Malleable Gate Hooks and Staples.

15c

99R4220 State length, Lgth., in. 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 186 188 190 192 194 196 198 200 202 204 206 208 210 212 214 216 218 220 222 224 226 228 230 232 234 236 238 240 242 244 246 248 250 252 254 256 258 260 262 264 266 268 270 272 274 276 278 280 282 284 286 288 290 292 294 296 298 300 302 304 306 308 310 312 314 316 318 320 322 324 326 328 330 332 334 336 338 340 342 344 346 348 350 352 354 356 358 360 362 364 366 368 370 372 374 376 378 380 382 384 386 388 390 392 394 396 398 400 402 404 406 408 410 412 414 416 418 420 422 424 426 428 430 432 434 436 438 440 442 444 446 448 450 452 454 456 458 460 462 464 466 468 470 472 474 476 478 480 482 484 486 488 490 492 494 496 498 500 502 504 506 508 510 512 514 516 518 520 522 524 526 528 530 532 534 536 538 540 542 544 546 548 550 552 554 556 558 560 562 564 566 568 570 572 574 576 578 580 582 584 586 588 590 592 594 596 598 600 602 604 606 608 610 612 614 616 618 620 622 624 626 628 630 632 634 636 638 640 642 644 646 648 650 652 654 656 658 660 662 664 666 668 670 672 674 676 678 680 682 684 686 688 690 692 694 696 698 700 702 704 706 708 710 712 714 716 718 720 722 724 726 728 730 732 734 736 738 740 742 744 746 748 750 752 754 756 758 760 762 764 766 768 770 772 774 776 778 780 782 784 786 788 790 792 794 796 798 800 802 804 806 808 810 812 814 816 818 820 822 824 826 828 830 832 834 836 838 840 842 844 846 848 850 852 854 856 858 860 862 864 866 868 870 872 874 876 878 880 882 884 886 888

FULTON IMPROVED ADJUSTABLE CORN SHELLER.



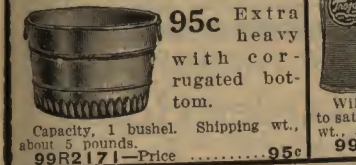
Complete with butting and tipping attachment with which, in shelling seed corn, the imperfect grains can be shelled off end of ear before shelling the ear. Shells rapidly all sizes of field corn. Adjustable spring tension and thumb-screw make it suitable for small or large size ears, also equipped with guide for discharging cobs outside of box. A sheller that is guaranteed to be satisfactory in every respect. Can be clamped on any ordinary box. Shpg. wt., about 20 lbs.
99R6141—Price, complete.....\$1.95

OUR HUSTLER CORN SHELLER.



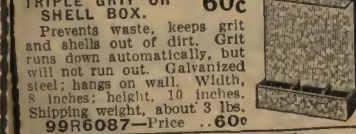
You cannot afford to do without a corn sheller at our price. This sheller is made of good quality material, has a hardened teeth, adjustable spring tension regulated by thumb-screw and will take any size ear. Shells clean from butt to tip and does not crack the grains. Fitted with attachment for shelling popcorn. Quickly attached to any box or board. Shipping weight, about 14 pounds.
99R6140—Price.....95c
 For large hand and power corn shellers see page 1113.

OUR "CORN KING" SEED CORN GRADER.



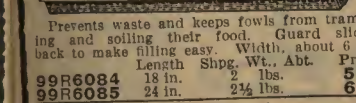
Has two perforated sorting plates, upper for holding back thick and irregular shaped grains, lower for sifting out small imperfect grains, allowing only perfect, regular shaped grains to pass out the forward end. Shipping weight, about 5 lbs.
99R6146—Price.....\$1.30
 For larger corn graders see page 1117.

JAPANNED FEED BASKET.



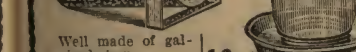
Extra heavy with corrugated bottom.
 Capacity, 1 bushel. Shipping wt., about 5 pounds.
99R2171—Price.....95c

TRIPLE GRIT OR SHELL BOX.



Prevents waste, keeps grit and shells out of dirt. Grit runs down automatically, but will not run out. Galvanized steel; hangs on wall. Width, 8 inches; height, 10 inches. Shipping weight, about 3 lbs.
99R6087—Price.....60c

ALUMINIZED FEEDING TROUGH.



Prevents waste and keeps fowls from tramping and soiling their food. Guard slides back to make filling easy. Width, about 6 in. Length Shpg. Wt. Abt. Price
 99R6084 18 in. 2 lbs. 50c
 99R6085 24 in. 2 1/2 lbs. 65c

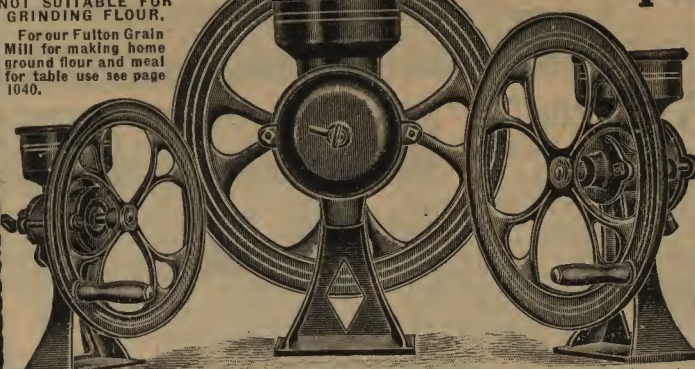
Drinking Fountains.



Well made of galvanized iron.
99R6075 Capacity about 1 gal. Shpg. wt., about 2 1/2 lbs. Price, 65c
99R6076 Capacity about 2 gals. Shpg. wt., abt. 3 1/2 lbs. Price, 85c

ACME ADJUSTABLE HAND GRIST-MILLS

Small Size. \$2.85 Medium \$4.65
 For Grinding Stock and Poultry Feeds.



NOT SUITABLE FOR GRINDING FLOUR.
 For our Fulton Grain Mill for making home ground flour and meal for table use see page 1040.

Well made, dependable hand grist mills. For grinding corn, small grains, etc., roots, bark, salt, dried bones, dried shells, etc. Adjustable to grind coarse, medium or fine. Furnished with screws for attaching.

Capacity, 5 Minutes—Grinding Corn.
 Size.....Small Medium Large
 Abt.....2 lbs. 4 lbs. 6 lbs.

Size	Abt. Lbs.	Shpg. Wt.	Price
Small	25	25	\$2.85
Medium	45	45	4.65
Large	75	75	6.95

For Power Grinders See Page 1112.

MAY ALSO BE USED FOR GRINDING COFFEE—WILL NOT GRIND GREEN BONES OR SHELLS.



POULTRY RAISERS' SPECIAL GRIST MILL.
 For grinding coarse grains, hominy, dry shells, dry bones, charcoal, etc. Cracked grain digests quicker. Dry shells, bones and charcoal are necessary for every fowl. Enables you to prepare your own poultry food. Grinds coarse, medium or fine. Screws furnished for attaching. Shpg. wt., about 35 lbs.
99R6130—Price.....\$3.40
99R6144—Extra Burrs. Weight, about 8 1/2 lbs. Price, per pair.....\$1.35

OUR HUSTLER HAND GRIST MILL \$3.25
 A first class mill at a medium price. This Hustler Grist Mill is well made, has removable iron burrs and for rough, coarse grinding will give excellent service. Will grind salt, peas, corn, wheat, rye and other grains, and is especially recommended for grinding chicken feed, hominy, etc. No chicken raiser should be without a grist mill. Heavy flywheel makes it easy running. Screws furnished for attaching. Shipping weight, about 32 pounds.
99R6129—Price.....\$3.25
99R6143—Extra Burrs. Weight, about 1 1/2 pounds. Price, per pair.....75c

POULTRY SUPPLIES AT REASONABLE PRICES

"CHICKADEE" AUTOMATIC POULTRY FEEDER AND EXERCISER.

95c
 Keeps Your Chickens Working.

Poultry, when kept busy scratching, are healthier, more vigorous and lay more eggs. Wooden cross arm is baited with kernels of corn or other food. By pecking the bait, the agitator is moved, thus allowing a few grains to drop on the ground. Uses large as well as small size grains. Capacity, 7 quarts. Furnished with wire and necessary hooks for installing. Shipping wt., abt. 4 lbs.
99R6089—Price.....95c

GALVANIZED STEEL BROODER COOPS.

285c

Mother hens crowd their chicks into corners and sometimes smother them. Round brooder coops prevent this. Has ventilator top and two sliding doors. Slotted door gives ventilation and protects chicks from rats, etc., at night. Solid door opens out cold. Bottom of coop is removable for cleaning. Height, 18 1/2 inches. Bottom diameter, 21 inches. Shipping weight, about 18 pounds.
99R6093—Price.....\$2.85

"SAFETY FIRST" PARCEL POST EGG CARRIERS.

Light in weight; safe in shipping.
4.65 for 25 4-Doz. Size.

EGGS

99R6104—Package of 10 carriers, each holding 10 dozen eggs. Shipping weight, about 45 pounds. Price, complete, \$4.15
99R6105—Package of 25 carriers, each holding 4 dozen eggs. Shipping weight, about 55 pounds. Price, complete, \$4.65
99R6106—Package of 25 carriers, each holding 3 dozen eggs. Shipping weight, about 40 pounds. Price, complete, \$3.85
99R6107—Package of 25 carriers, each holding 2 dozen eggs. Shipping weight, about 28 pounds. Price, complete, \$2.85
99R6108—Package of 25 carriers, each holding 1 dozen eggs. Shipping weight, about 30 pounds. Price, complete, \$3.75

We Do Not Sell Less Than a Full Package.

HUMPTY DUMPTY EGG CASE.

45c
 Cannot be used for shipping eggs by parcel post.

99R6116—Holds 12 dozen, single compartment. Shpg. wt. abt. 6 lbs. 45c
99R6117—Holds 30 dozen, double compartment. Shpg. wt. abt. 14 lbs. 1.05

12-Doz. \$1.35 per 100

EGG CASE CARTONS OR CARRIERS.
1.35 per 100

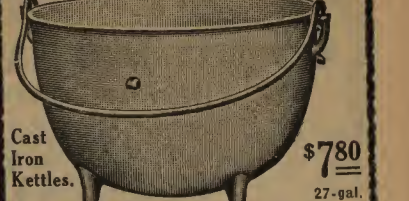
Progressive poultry raisers, farmers and egg dealers now market their selected eggs in cartons. Printed as illustrated. Shipped knocked down. All complete in one piece. We do not sell less than 100. Shpg. wt., per 100, about 12 lbs.

99R6101 100 1.35
99R6102 200 2.60
99R6103 500 6.40

SIX-HOLE EGG TESTER.



Made of steel. Enables you to determine the live eggs after six days' setting. No lamp or darkroom necessary. Wt., abt. 1 1/4 lbs.
99R6125 Price.....98c



Cast Iron Kettles. Good heavy sugar, wash or butchers' kettles. Made strong, with flange around rim and heavy ears and legs. Balls are wrought iron. Capacities given are actual.
 Capacity Shpg. Wt. Price
99R2725 13 gals. 47 lbs. \$4.25
99R2726 13 gals. 65 lbs. 7.80
99R2727 27 gals. 99 lbs.
 For larger cast iron kettles see page 1121.

\$2.90 FOR 10 "SECURITY" FOLDING VEGETABLE CRATES.



Bushel. For Potatoes, Onions, Tomatoes, Apples, etc. This strong and substantial open top vegetable crate is well made and will stand an unusual amount of rough handling. Recommended for field use, delivery service, etc. Easily set up or collapsed. Fits into small space when not in use. Packed in bundles of ten crates, eight folded and two set up. Crates measure 18 inches long, 12 inches wide and 13 1/2 inches high. Made of hardwood. Corners are wired, as shown in illustration. Shipping weight, per bundle, about 78 pounds.
99R6250—Per bundle of ten.....\$2.90

HUSKING GLOVE.



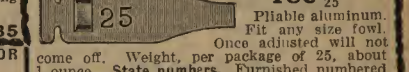
Curved palm plate, two malleable spur hooks. Made of leather with double strap and wristband. Right hand only. Wt., about 4 oz.
99R6138—Price, each.....33c

18c HUSKING GLOVE. Made of leather. Corrugated steel hook. Two straps. Right hand only. Weight, about 2 ounces.
99R6136 Price, each.....18c

Steel pin with steel guard curved in front of wide forefinger protector. Made of leather with strap. Weight, abt. 1 oz.
99R6134—Price, each.....14c

HUSKING PIN. Steel pin, mounted on good quality leather with laced thong adjustment. Weight, about 1 ounce.
99R6132—Price, each.....9c

ALUMINUM POULTRY LEG BAND.



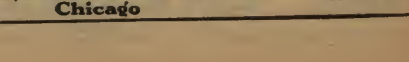
25 18c for 25
 Pliable aluminum. Fit any size fowl. Once adjusted will not come off. Weight, per package of 25, about 1 ounce. State numbers. Furnished numbered as follows:
99R6180
 No. Price No. Price
 1 to 25 18c 51 to 75 18c
 26 to 50 18c 76 to 100 18c

SPRING POULTRY PUNCH.



For marking chicks by punching holes through web between toes. Useful on fowls of any age. Light in weight. Easily carried in pocket. Weight, about 2 ounces.
99R6178—Price.....21c

LICE KILLING MACHINE.



One hour's work with this machine accomplishes more than a whole day's work by hand. Wood frame, sheet steel cylinder 30 inches long and 12 in. in diameter. Shpg. wt., about 25 lbs.
99R6099—Price, including 1/2 pound of best lice powder.....\$3.60

Complete Hose Outfits SPELL HOSE ECONOMY

Do you realize that, aside from the great convenience and cleanliness of keeping garden hose on a reel, the life of the hose is more than doubled thereby? The reel drains the water from the hose, thus allowing it to dry inside, and pays for itself many times over.

\$15.75
FOR
50-FT.
OUTFIT



Our "Best Made" Garden Hose Outfits "An Outfit You Will Be Proud Of."

HANDSOME—STRONG—PRACTICAL.
This "De Luxe" outfit comprises our "Best Made" Red Corrugated Seamless Garden Hose, our "Best Made" Rubber Tired Stand Fast Hose Reel and a heavy cast brass hose nozzle. One of the best Garden Hose Outfits ever offered.

NOTE OUR PRICES.
99R6601—50-Foot 3/4-Inch Hose, Reel and Nozzle. Shipping weight, about 58 lbs. Complete....\$15.75
99R6602—75-Foot 3/4-Inch Hose, Reel and Nozzle. Shipping weight, about 70 lbs. Complete....\$21.25
99R6603—100-Foot 3/4-Inch Hose, Reel and Nozzle. Shipping weight, about 84 lbs. Complete....\$26.75

Heavy Braided Cotton Covered Garden Hose.

White in color. Coupled complete, but without nozzle or reel.

Patent Coupling. Heavy Braided Cotton Cover. High Grade Rubber Inner Tube.



For all ordinary water pressure. Heavy cotton jacket with high grade rubber inner tube. 25 and 50-foot lengths only, coupled complete. Size, inside, 3/4 inch.

Length Shpg. Wt. Price
99R7172 25 ft. 7 lbs. \$ 5.25
99R7173 50 ft. 14 lbs. 10.00

GARDEN HOSE ACCESSORIES.

Be Sure to State Size Wanted.

Size of Hose, inside diameter, inch.....	1/2	3/4	1
99R7092—Gem Pattern Solid Brass Hose Nozzle. Weight, about 8 ounces. Each.....		60c	
99R7098—Brass Hose Coupling. Wt., about 5 oz. Each.....	19c	23c	34c
99R7097—Electro Plated Iron Hose Coupling. Wt., about 5 oz. Each.....		12c	
99R7096—Galvanized Steel Hose Clamp. Weight, about 2 ounces. Each.....	3c	4c	5c
99R7102—Malleable Iron Hose Splicer. Wt., about 2 oz. Each.....	5c	7c	9c
99R7094—Rubber Hose Washer. Wt., about 1 oz. Per dozen.....		5c	

Brass Hose Nipples.	Pipe Size	Fits Hose	Weight, About	Price
29c	3/4 in.	3/4 in.	2 oz.	26c
	1 in.	1 in.	3 oz.	29c
			4 oz.	38c

99R7098—Coupling	
99R7096—Clamp	
99R7102—Splicer	
99R7094—Washer	

99R7092—Nozzle	
99R7098—Coupling	
99R7096—Clamp	
99R7102—Splicer	
99R7094—Washer	

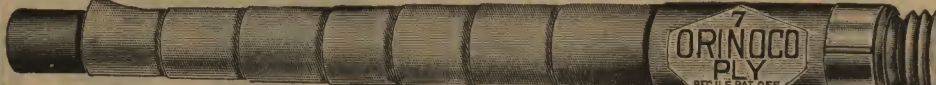
99R7092—Nozzle	
99R7098—Coupling	
99R7096—Clamp	
99R7102—Splicer	
99R7094—Washer	

99R7092—Nozzle	
99R7098—Coupling	
99R7096—Clamp	
99R7102—Splicer	
99R7094—Washer	

99R7092—Nozzle	
99R7098—Coupling	
99R7096—Clamp	
99R7102—Splicer	
99R7094—Washer	

BUILT-UP RUBBER GARDEN HOSE. We offer you a good garden hose of exceptional quality considering the prices we quote. Note our complete outfits of hose, reel and nozzle. Nozzles are not included with hose, except in outfits.

Orinoco, Danube, Yukon, Nile and Rio Are Our Own Trade Marks, Registered in U. S. Patent Office.



20c PER FOOT
3/4-Inch, 7-Ply.
IN 50-FOOT LENGTHS.

7-Ply "Orinoco" Hose. Has heavy rubber inner tube, seven plies of strong cotton fabric and a heavy rubber outer coating. This hose will not kink easily and will last for years if properly cared for. Coupled complete but without reel or nozzle. Size, inside, 3/4 inch. Shipping weight, 25 feet, about 10 pounds.

Length Price
99R7242 25 ft. \$ 5.25
99R7243 50 ft. 10.00

6-Ply "Danube" Hose. Has rubber inner and outer coating and six plies of strong cotton fabric. Never fails to satisfy. A quality we fully recommend. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 10 pounds. Size, inside, 3/4 inch. Shipping weight, 25 feet, about 10 pounds.

Length Price
99R7234 25 ft. \$4.75
99R7235 50 ft. 9.00

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7236 25 ft. \$ 5.75
99R7237 50 ft. 11.00

5-Ply "Yukon" Hose. Good quality solid walls. Rubber inner tube, five plies cotton fabric and good rubber outer cover. Coupled, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7228 25 ft. \$4.25
99R7229 50 ft. 8.00

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7230 25 ft. \$5.00
99R7231 50 ft. 9.50

4-Ply "Nile" Hose. A good value hose for use on light pressure. Rubber inner tube, four plies cotton fabric and rubber outer coating. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7190 25 ft. \$3.50
99R7191 50 ft. 6.50

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

3-Ply "Rio" Hose. For country use only. Not recommended for ordinary water pressure. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet, about 8 lbs.

Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

2-Ply "Orinoco" Hose. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

"Yukon" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Yukon" Hose. Shpg. wt., about 26 lbs.

99R6598
Price.\$9.60

"Nile" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Nile" Hose. Shpg. wt., about 26 lbs.

99R6597
Price.\$9.60

"Rio" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Rio" Hose. Shpg. wt., about 26 lbs.

99R6596
Price.\$9.60

"Orinoco" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

18c PER FOOT
3/4-In., 6-Ply.
IN 50-FOOT LENGTHS.

5-Ply "Yukon" Hose. Good quality solid walls. Rubber inner tube, five plies cotton fabric and good rubber outer cover. Coupled, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7228 25 ft. \$4.25
99R7229 50 ft. 8.00

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7230 25 ft. \$5.00
99R7231 50 ft. 9.50

4-Ply "Nile" Hose. A good value hose for use on light pressure. Rubber inner tube, four plies cotton fabric and rubber outer coating. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7190 25 ft. \$3.50
99R7191 50 ft. 6.50

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

3-Ply "Rio" Hose. For country use only. Not recommended for ordinary water pressure. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet, about 8 lbs.

Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

2-Ply "Orinoco" Hose. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

"Yukon" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Yukon" Hose. Shpg. wt., about 26 lbs.

99R6598
Price.\$9.60

"Nile" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Nile" Hose. Shpg. wt., about 26 lbs.

99R6597
Price.\$9.60

"Rio" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Rio" Hose. Shpg. wt., about 26 lbs.

99R6596
Price.\$9.60

"Orinoco" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

"Yukon" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Yukon" Hose. Shpg. wt., about 26 lbs.

99R6598
Price.\$9.60

"Nile" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Nile" Hose. Shpg. wt., about 26 lbs.

99R6597
Price.\$9.60

16c PER FOOT
3/4-Inch, 5-Ply.
In 50-Foot Lengths.

5-Ply "Yukon" Hose. Good quality solid walls. Rubber inner tube, five plies cotton fabric and good rubber outer cover. Coupled, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7228 25 ft. \$4.25
99R7229 50 ft. 8.00

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7230 25 ft. \$5.00
99R7231 50 ft. 9.50

4-Ply "Nile" Hose. A good value hose for use on light pressure. Rubber inner tube, four plies cotton fabric and rubber outer coating. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7190 25 ft. \$3.50
99R7191 50 ft. 6.50

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

3-Ply "Rio" Hose. For country use only. Not recommended for ordinary water pressure. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet, about 8 lbs.

Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

2-Ply "Orinoco" Hose. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

"Yukon" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Yukon" Hose. Shpg. wt., about 26 lbs.

99R6598
Price.\$9.60

"Nile" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Nile" Hose. Shpg. wt., about 26 lbs.

99R6597
Price.\$9.60

"Rio" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Rio" Hose. Shpg. wt., about 26 lbs.

99R6596
Price.\$9.60

"Orinoco" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

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99R6599—Price.\$13.20

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99R6598
Price.\$9.60

"Nile" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Nile" Hose. Shpg. wt., about 26 lbs.

99R6597
Price.\$9.60

14c PER 3/4-Inch, 4-Ply. In 50-Foot Lengths.

4-Ply "Nile" Hose. A good value hose for use on light pressure. Rubber inner tube, four plies cotton fabric and rubber outer coating. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet of 3/4-inch, about 9 pounds. Size, inside, 3/4 inch.

Length Price
99R7190 25 ft. \$3.50
99R7191 50 ft. 6.50

Same as above. Size, inside, 1/2 inch; fitted with 1-inch couplings. Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

3-Ply "Rio" Hose. For country use only. Not recommended for ordinary water pressure. Coupled complete, but without reel or nozzle. Shipping weight, 25 feet, about 8 lbs.

Length Price
99R7180 25 ft. \$3.25
99R7181 50 ft. 6.00

2-Ply "Orinoco" Hose. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

"Yukon" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Yukon" Hose. Shpg. wt., about 26 lbs.

99R6598
Price.\$9.60

"Nile" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Nile" Hose. Shpg. wt., about 26 lbs.

99R6597
Price.\$9.60

"Rio" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Rio" Hose. Shpg. wt., about 26 lbs.

99R6596
Price.\$9.60

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"Rio" Garden Hose Outfit. Consists of hard-wood reel, Gem pattern brass nozzle and 50 feet of 3/4-inch "Rio" Hose. Shpg. wt., about 26 lbs.

99R6596
Price.\$9.60

"Orinoco" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price.....\$14.20

"Danube" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet 3/4-inch "Danube" Hose, Shipping wt., about 50 pounds.

99R6599—Price.\$13.20

FOR LONG SERVICE WE RECOMMEND THE PURCHASE OF

Molded Rubber Garden Hose

SEAMLESS, NON-KINKABLE AND DURABLE.

Made with two seamless double braided jackets over a tube of high grade rubber incased in a heavy molded rubber outside cover. As nearly leakproof as garden hose can be made. With ordinary care will give years of satisfactory service. Our price on both the 3/4 and 1/2-inch sizes includes standard 3/4-inch patent brass couplings properly put on.

Sold in Any Length Desired From 10 Feet Up to 500 Feet.

Extra Quality Red Corrugated Molded Rubber Hose.



99R7253—Size, inside, 3/4 in. Wt., per foot, about 8 oz. Price, per foot.....24c

Black Corrugated Molded Rubber Hose.



99R7255—Size, inside, 3/4 in. Wt., per ft., about 7 oz. Price, per foot.....21c

Black Smooth Cover Molded Rubber Hose.



Size Inside Wt., Ft. Per Ft.
99R7251 3/4 in. 8 oz. 20c
99R7249 1/2 in. 5 oz. 13c
99R7250 1/2 in. 4 oz. 16c

Our "Best Made" Hose Reel.

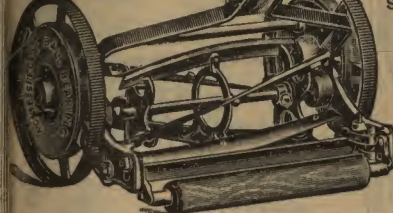
A Really Practical Household Reel.



Lawn Mowers

YOU PAY FOR QUALITY ONLY.
Order any one of these lawn mowers and you will make a considerable saving. We guarantee every mower to give satisfaction.

Acme Special. \$1060
Self Sharpening.
16-in.



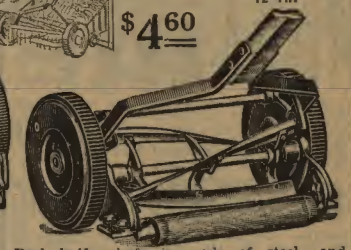
Acme Ball Bearing.
Self Sharpening.
16-in. **\$925**



Acme Bronze Bearing.
Self Sharpening.
14-in. **\$675**



Sunrise. Self Sharpening.
12-in. **\$460**



High wheels, easy running. Ball bearings die steel. Cones and cups turned from steel and case-hardened and fitted dustproof. Revolving steel knives, highly tempered. Bed knife of tempered steel. Drive wheels, 11 in. diameter. Hardwood roller and handle. Two wrenches and directions for adjusting.

Size	Shpg. Wt.	Abt.	Price
99R6522	14 in.	65 lbs.	\$9.90
99R6523	16 in.	68 lbs.	10.60
99R6524	18 in.	71 lbs.	11.30
99R6525	20 in.	73 lbs.	12.00

Ball bearings are die steel. Cones and cups turned from steel, case-hardened, and fitted dustproof. Spiral blades steel, highly tempered. Cutter is 6 inches in diameter. Bed knife tempered steel. Drive wheels, 9 1/4 inches in diameter. Roller and handle hardwood. Two wrenches and directions for adjusting.

Size	Shpg. Wt.	Abt.	Price
99R6518	14 in.	46 lbs.	\$8.70
99R6519	16 in.	48 lbs.	9.25
99R6520	18 in.	50 lbs.	9.80
99R6521	20 in.	53 lbs.	10.35

Bronze bearings and hardened steel axles. Reel knife shaft is a bar of tempered steel; four spiral blades are spring steel; bed knife is cast steel, all highly tempered. Diameter of wheels, 9 1/4 inches; diameter of reel, 6 in. Hardwood handle, two wrenches and directions for adjusting.

Size	Shpg. Wt.	Abt.	Price
99R6510	14 in.	46 lbs.	\$6.75
99R6511	16 in.	49 lbs.	7.15
99R6512	18 in.	51 lbs.	7.55
99R6513	20 in.	54 lbs.	7.95

Reel knife shaft is made of steel, and runs in split bushings. Spiral cutting blades are good quality steel properly tempered and ground. Gears are enclosed. Bed knife is of steel. Drive wheels are 8 1/4 inches high. Hardwood handle, one wrench and directions for adjusting.

Size	Shpg. Wt.	Abt.	Price
99R6501	12 in.	38 lbs.	\$4.60
99R6502	14 in.	39 lbs.	4.90
99R6503	16 in.	41 lbs.	5.20
99R6504	18 in.	44 lbs.	5.50

3200 PONY BALL BEARING LAWN MOWER.
Has 11-inch drive wheels and 4-in. four-blade reel. Width of cut, 31 in. Suitable for lawns and parks. Shipping wt., about 130 lbs.
99R6530—Price \$32.00

Grain Cradle.
Five-Finger Pattern.
A very popular pattern, made of clear straight grain stock with adjustable wood grip, wire braces and malleable iron fittings. High quality 45-inch blade. Shpg. wt., abt. 12 lbs.
99R6725 Price \$4.40

99R5603
Clipper Pattern Grass Scythe. Length, about 30 inches. Shipping weight, about 4 lbs. Price...\$1.55

99R5600
Standard Western Hollander Grass Scythe. Length, about 30 inches. Shipping weight, about 4 lbs. Price...\$1.50

99R5605
Heavy Rib Weed Scythe. Length, about 28 in. Shpg. wt., abt. 5 lbs. Price...\$1.60

99R5606
Heavy Bush Scythe. Length, about 20 inches. Shipping weight, about 5 pounds. Price...\$1.60

99R6730
Two-Ring Bush Snath. An old and well known pattern. Made of heavy selected stock. Shipping weight, about 5 pounds. Price...\$1.20

99R6729
Patent Loop Grass and Bush Snaths. Have patent loop and wrench. Selected straight grain stock, varnished. Price...\$1.10

99R6728
Patent Loop Grass Snath. Too light for bush scythes. Shipping weight, about 4 pounds. Price...\$1.10

99R5591
Good quality steel blade, sharpened and tempered, selected handle. Shipping wt., abt. 4 lbs. Price...\$1.50

99R5925
Heavy Bush Hook. Shank attaches to bush snath. Good quality steel, tempered and sharpened; 11 inches over all 6-in. cut; blade, 1 1/2 inches wide. Wt., about 1 pound. Price, without snath...50c

"Easy Acme" Ball Bearing Lawn Mower
SELF SHARPENING.
\$8.95
16-INCH

99R6553
For 12 and 14-inch mowers. Price...\$1.30

99R6554
For 16 to 20-inch mowers. Price...\$1.45

99R5597
Grass Shears. Price...70c

99R5937
Grass Shears with trowel shank, Fulton quality. Made of steel. Fully guaranteed. Length of cutting edge, 6 inches. Weight, 12 ounces. Price...70c

99R5938
Standard grade Grass Shears. Steel blades. Bent handles. Weight, about 10 oz. Price...40c

99R5939
A good quality Grass Shears for the price. Have bent handles, 5 1/2-inch blades. Wt., about 8 oz. Price...25c

99R5611
Removable cast steel sections, same as on a mower. Length over all, about 46 in. Width of cut, abt. 9 1/4 in. Shpg. wt., abt. 6 lbs. Price...\$1.25

99R5609
Fulton Special Saw Cut Hay Knife. Made of steel, hardened and tempered. Sharpened ready for use. Cuts like a scythe. Length over all, about 36 in. Shpg. wt., about 6 lbs. Price...\$1.30

99R5610
Same pattern as above. Hiram Holt "Lightning" Hay Knife. Price...\$1.30

ADJUSTABLE GRASS CATCHERS.
Cut Work in Half, as They Save Raking Up Grass After Mowing.
Canvas bottoms and sides. Shpg. wt., about 3 lbs.
99R6514 14 in. 46 lbs. \$8.35
99R6515 16 in. 48 lbs. 8.95
99R6516 18 in. 50 lbs. 9.55
99R6517 20 in. 53 lbs. 10.15

99R6551
For 12 and 14-inch mowers. Price...\$1.00

99R6552
For 16 to 20-inch mowers. Price...\$1.15

99R5596
Steel blade. Weight, about 14 ounces. Price...45c

99R5722
SCYTHE STONES. 12c

99R5721
Sharp grit. 5c

99R5721
Sharp grit. 5c

99R5599
CLIPPER CORN KNIFE. 45c

99R5721
Sharp grit. 5c

99R5721
Sharp grit. 5c

99R5933
SWISS PATTERN PRUNING SHEARS. Full polished, new patent easy brass spring and improved locknut. Length, 9 in.; 2 1/2-in. tempered steel blade. Weight, abt. 1 lb. Price...\$1.70

99R5932
EASY SPRING CALIFORNIA PATTERN PRUNING SHEARS. Full polished, new patent easy brass spring and improved locknut. Length, 9 in.; 2 1/2-in. tempered steel blade. Weight, abt. 1 lb. Price...\$1.30

99R5930
CALIFORNIA PATTERN PRUNING SHEARS. Tempered steel blades. Length, 9 in. 2 1/2-in. blade. Wt., abt. 14 oz. Price...55c

99R5931
High grade California pattern Pruning Shears. Length, 9 in.; 2 1/2-inch blade. Wt., about 14 oz. Price...95c

99R5595
Steel blades with improved notch for cutting twigs. State length. Length of blade, in. 8 10 12. Weight, about, lbs. 3 1/2 4 4 1/2. Price...\$1.45 \$1.95 \$2.65

99R5593
BUCKEYE PRUNING SHEARS. Cuts good size limbs. Steel blades. Handles, 22 in. long. 2 1/2-inch steel cutters. Weight, about 3 lbs. Price...\$1.20

99R5593
WATERS' TREE PRUNER. No ladders required, as pruning can be done while standing on the ground. Blade of tempered steel. Length 12 ft. Shpg. Wt. 8 ft. 4 lbs. 10 ft. 5 lbs. 12 ft. 6 lbs. Price...\$1.40 \$1.60 \$1.80

99R5940
Extra Knife. Weight, about 2 ounces. Price...12c

99R5936
Extra Blade. Weight, about 2 oz. Price...12c

99R5936
Extra Blade. Weight, about 2 oz. Price...12c

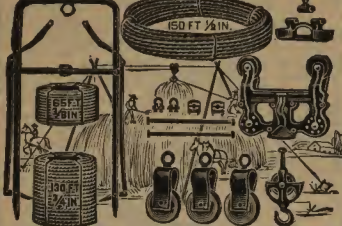
99R5936
Extra Blade. Weight, about 2 oz. Price...12c

99R5936
Extra Blade. Weight, about 2 oz. Price...12c

99R5936
Extra Blade. Weight, about 2 oz. Price...12c

99R5936
Extra Blade. Weight, about 2 oz. Price...12c

\$29.65 Kenwood Standard 50-Foot Wire Cable Track Hay Stacking Outfit.



99R6480—Complete, as illustrated. Wood posts not included. Shipping weight, about 170 pounds. Price.....\$29.65

5c Galvanized Steel Hay Carrier Cable.

Size, 1/4 inch in diameter. Weight, per 100 feet, about 50 pounds. Carried in stock in cut lengths of 25, 50, 60, 75, 100, 125, 150, 175, 200 and 250 feet. Odd lengths, and lengths over 250 feet, shipped direct from factory in CHICAGO. State length wanted in each piece. 99R1006—Price, per foot.....5c

\$25.45 Kenwood Standard Complete Hay Carrier Outfits. **\$25.45** and Up. For steel track.



A complete outfit for a 30-foot barn consists of one hay carrier, one short time double harpoon hay fork, twelve rafter brackets, twelve hanging hooks, four floor hooks, three steel yoke knot passing pulleys, 90 feet 3/4-inch manila carrier rope, which is abundantly strong, and 35 feet 1/2-inch manila check rope. For each 5 feet additional length of barn we add two rafter brackets, two hanging hooks, 10 feet of carrier rope and 5 feet of check rope. Double angle steel track furnished with all steel track outfits; but as any farmer can make his own wood track from ordinary 4x4-inch lumber, we do not include track with wood track outfits. Manila rope larger than 1 inch cannot be used.

NOTE—Prices of outfits include enough hanging hooks and rafter brackets for barns with rafters spaced 2 1/2 feet apart. If rafters of your barn are spaced less than 2 1/2 feet apart, order enough extra brackets and hanging hooks to meet your requirements.

COMPLETE OUTFITS FOR WOOD TRACK. Prices do not include wood track.

Length Shpg. Wt.	Barn About Lbs.	Price
30 feet	100	\$19.35
35 feet	105	\$20.90
40 feet	110	\$22.25
45 feet	115	\$23.60
50 feet	120	\$25.00
55 feet	125	\$26.80
60 feet	130	\$28.15
65 feet	135	\$29.40
70 feet	140	\$30.65

COMPLETE OUTFITS FOR STEEL TRACK. Prices include steel track.

Length Shpg. Wt.	Barn About Lbs.	Price
30 feet	165	\$25.45
35 feet	181	\$27.55
40 feet	198	\$29.65
45 feet	212	\$31.75
50 feet	227	\$33.85
55 feet	245	\$35.95
60 feet	259	\$38.05
65 feet	272	\$40.15
70 feet	287	\$42.25

Kenwood Standard Wagon Sling With Center Trip Locks.

Made long enough for 18-foot wagon but can be shortened to suit shorter drawing ropes through bars and tying ends of rope.



Prices below are per single sling, as illustrated. Width of Shipping Crossbars Wt. About

99R6442	6 feet	29 lbs.
99R6441	5 feet	26 lbs.



99R6440—Width of Crossbars, Shpg. wt., about 21 lbs. Price, per sling.

KENWOOD STEEL-TINE GRAPPLE FORKS.

99R6421 Four-Tine Grapple Fork. Shpg. wt., about 40 lbs. Price.....\$7.80

99R6422 Six-Tine Grapple Fork. Shpg. wt., about 50 lbs. Price.....\$9.65

KENWOOD DOUBLE HARPOON HAY CARRIERS.

99R6417—With tines and 16 inches points. Shipping weight, 18 lbs. Price.....\$11.95

99R6418—With tines and 16 inches points. Shipping weight, 25 lbs. Price.....\$11.95

99R6419—Alfalfa Harpoon Hay Fork. Heavy. With tines 32 long and 22 in. between. Shipping weight, about 25 lbs. Price.....\$11.95

KENWOOD SINGLE HARPOON HAY CARRIER.

99R6415 Shipping weight, about 10 pounds. Price.....\$2.80

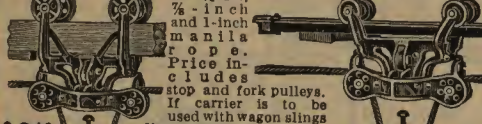
Kenwood Cable Carrier.

Price includes stop and fork pulley. For 1/2 or 1-inch manila rope. Shipping weight, about 25 lbs. 99R6400 Price.....\$6.45

Kenwood Right Angle Self Locking Sling Pulley.

Price.....\$2.95

KENWOOD DOUBLE SWIVEL HAY CARRIERS.

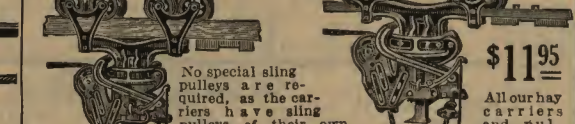


For 3/4-in., 1/2-inch and 1-inch manila rope. Price includes stop and fork pulleys. If carrier is to be used with wagon slings a sling pulley will be required.

99R6401 Wood Track Hay Carrier. Shipping wt., about 32 lbs. Price.....\$6.40

99R6402 Steel Track Hay Carrier. Shipping wt., about 30 lbs. Price.....\$6.45

KENWOOD DOUBLE SWIVEL SLING CARRIERS.



No special sling pulleys are required, as the carriers have sling pulleys of their own. Slings can be locked and dumped at any height.

99R6405 Wood Track Sling Carrier. Price.....\$11.90

99R6406 Steel Track Sling Carrier. Price.....\$11.95

Kenwood Double Angle Steel Track. 19c per Ft.

For our steel track carriers. Made in 5 and 10-ft. lengths only, with couplings and bolts. 99R1030—Price, per foot.....(Weight, per foot, about 2 pounds).....19c

JOINTED HANGING HOOK. 17c

99R6154—17 inches long. Weight, 1 1/4 pounds. Price.....17c

STEEL TRACK HANGING HOOK. 14c

99R6158 7 1/2 inches long. Wt., 1 lb. Price.....14c

WOOD TRACK HANGING HOOK. 13c

99R6156—13 1/2 in. long. Weight, 15 ounces. Price.....13c

RAFTER BRACKET. 6c

99R6160 For hanging hay carrier track. Wt., abt. 4 oz. Each 6c

EYE BOLT. 42c

99R6152—13 inches long. Weight, 3/4 in. diameter, 7 in. about 3 lbs. Price.....42c

FLOOR HOOK. 14c

99R6150 3/4 in. diameter, 7 in. long. Wt., 1 1/4 lbs. 14c

Three-Tine Bent Handle Hay Forks.

EXTRA QUALITY. Three 12-inch spring tempered oval steel tines, selected bent hardwood handles, capped and strapped ferrules. Shpg. wt., about 3 lbs.

99R6744 4 1/2 ft. \$1.20

99R6745 5 ft. 1.30

99R6746 5 1/2 ft. 1.30

STANDARD QUALITY. Three 12-inch oval tempered steel tines, bent hardwood handle, capped and strapped ferrules. Shipping weight, about 3 pounds.

99R6741 4 1/2 ft. \$1.05

99R6742 5 ft. 1.10

99R6743 5 1/2 ft. 1.15

Three-Tine Straight Handle Hay Forks.

EXTRA QUALITY. Three 12-in. oval tempered steel tines, selected straight hardwood handles, capped and strapped ferrules. Shpg. wt., abt. 3 lbs.

99R6758 5 ft. \$1.15

99R6759 5 1/2 ft. 1.20

STANDARD QUALITY. Three 12-in. oval tempered steel tines, capped and strapped ferrule, straight hardwood handle. Shpg. wt., abt. 3 lbs.

99R6755 5 ft. \$1.00

99R6757 5 1/2 ft. 1.10

Four-Tine Bent Handle Hay Forks.

EXTRA QUALITY. Four 12-in. tempered steel tines, selected bent hardwood handles, capped and strapped ferrules. Shpg. wt., abt. 3 lbs.

99R6768 4 1/2 ft. \$1.30

99R6769 5 ft. 1.35

99R6772 5 1/2 ft. 1.40

STANDARD QUALITY. Four 12-inch oval tempered steel tines, bent hardwood handles, capped and strapped ferrules. Shipping weight, about 3 pounds.

99R6765 4 1/2 ft. \$1.10

99R6766 5 ft. 1.15

99R6767 5 1/2 ft. 1.20

Extra Quality Barley Fork.

Four 18-inch polished oval spring steel tines, spring steel wire bail, 4 1/2-foot bent hardwood handle, capped and strapped ferrule. 99R6783—Price.....\$1.65

SPADING FORKS.

Tempered diamond back steel tines, selected D handles, malleable "D" head.

99R6861 Extra quality, 10 tines, 17 inches long, 14 inches wide. Price.....\$2.10

99R6856 12 tines, 17 in. long, 18 in. wide. Price.....\$2.45

99R6862 Standard quality, 14 tines, 17 inches long, 20 1/2 inches wide. Price.....\$1.15

COKE FORKS.

Forged steel; square tines; strapped ferrules and selected D handles. Shpg. wts., about 8, 9 and 10 lbs.

99R6855 10 tines, 17 inches long, 14 inches wide. Price.....\$2.10

99R6856 12 tines, 17 in. long, 18 in. wide. Price.....\$2.45

99R6857 14 tines, 17 inches long, 20 1/2 inches wide. Price.....\$2.85

SCOOP FORKS.

Oval flat tipped steel tines, selected D handles. Shipping wt., about 8 lbs.

99R6852 8 tines, 12 in. wide, 15 in. long. Price.....\$1.75

99R6853 10 tines, 14 in. wide, 15 1/2 in. long. Price.....\$2.10

99R6854 12 tines, 18 inches wide, 16 1/2 in. long. Price.....\$2.45

29c 4 1/2 Ft. Bent Hay Fork Handle. Ft. 34c

99R5701—Made of selected hardwood. State length. Length, 4 1/2 feet. Shpg. wt., about 1 1/2 lbs. Price.....29c

Length, 5 feet. Shpg. wt., about 1 1/2 lbs. Price.....34c

Length, 5 1/2 feet. Shpg. wt., about 2 lbs. Price.....41c

Bent Manure Fork Handle. 30c

99R5703—Made of selected hardwood. Length, 4 1/2 feet. Shipping wt., about 1 1/2 pounds. Price.....30c

Extra Quality Alfalfa or Header Forks.

\$1.50 4 1/2 Ft. Four 15-inch polished oval spring steel tines, 10 1/2 inches wide at the points, capped and strapped ferrule. Bent hardwood handle.

99R6773 4 1/2 ft. 3 1/2 lbs. \$1.50

99R6774 5 ft. 3 1/2 lbs. 1.60

99R6775 5 1/2 ft. 4 lbs. 1.70

Long Handle Manure Fork.

EXTRA QUALITY. 12-in. polished spring tempered oval steel tines, 4 1/2-ft. bent hardwood handles, capped and strapped ferrules. Shipping wt., about 3 1/2 pounds.

99R6788 4 or 5 tines. Price.....\$1.35

99R6789 5 tines. Price.....1.50

99R6790 6 tines. Price.....1.65

STANDARD QUALITY.

12-inch polished oval tempered steel tines, 4 1/2-ft. bent hardwood handles, capped and strapped ferrules. Shipping weight, about 3 1/2 pounds.

99R6784 4 tines. Price.....\$1.35

99R6785 5 tines. Price.....1.50

99R6786 6 tines. Price.....1.65

D Handle Manure Fork.

EXTRA QUALITY. 12-inch polished spring tempered oval steel tines. Bent hardwood handles, malleable D heads, capped and strapped ferrules. Shipping weight, about 3 1/2 lbs.

99R6810 4 tines. Price.....\$1.40

99R6811 5 tines. Price.....1.55

99R6812 6 tines. Price.....1.70

STANDARD QUALITY.

12-inch polished oval tempered steel tines, bent hardwood handles, strapped ferrules and malleable D heads. Shipping wt., about 3 1/2 lbs.

99R6804 4 tines. Price.....\$1.40

99R6805 5 tines. Price.....1.55

99R6806 6 tines. Price.....1.70

Long Handle Steel Manure Hook.

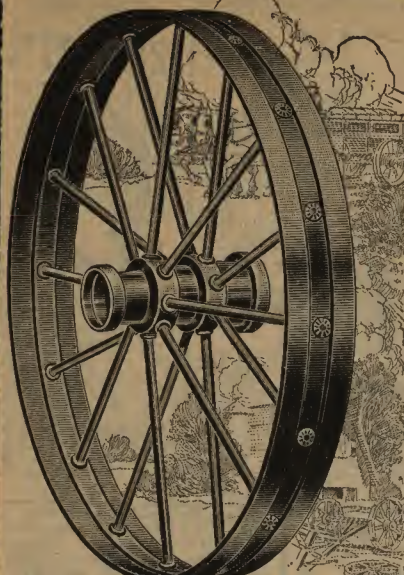
\$1.10 A high quality manure hook, four 8-inch spring tempered oval tines, 6-foot selected straight hardwood handle, plain capped ferrule, strong rivet passing through ferrule, and shank, so that handle cannot pull. Shipping weight, about 3 pounds.

99R6824—Price.....\$1.10

Steel Potato Hook.

Five oval tempered steel tines, 6 1/2 long, 4 1/2-foot selected straight grain wood handle, gooseneck solid shank, shipping weight, about 2 1/2 pounds.

99R6823—Price.....\$1.10



"Wearwell" Steel Wheels for Farm Wagons and Trucks
 Make Strong, Practical and Economical Vehicles. Will Outwear Several Sets of Wood Wheels.
 Low wide tread steel wheels are just the thing for use on soft, spongy or freshly plowed ground. They are easy and do not cut up your field or roads. Also save useless waste of energy required to load and unload high truck with wooden wheels. Made to order only and shipped direct from factory near Chicago. We make shipment in from 5 to 10 days after order is received.

Extra Strong Wide Tread Metal Wheels
 WITH HEAVY 3/4-INCH ROUND SPOKES.
 For general all around farm and road use we recommend the purchase of our Extra Strong Wide Tread Wheels. Cheapest in the Long Run. Give full measurements, as per diagram below.

PRICES QUOTED BELOW ARE PER SINGLE WHEEL.

Height of Wheel	Weight of Each Wheel, About	99R8313 3/4 Tire, 1 1/2 x 3 In. Each Wheel	99R8314 3/4 Tire, 1 1/2 x 1 In. Each Wheel	99R8315 3/4 Tire, 1 1/2 x 5 In. Each Wheel
24 in.	50 to 75 lbs.	\$5.95	\$6.55	\$7.15
26 in.	53 to 80 lbs.	6.35	7.00	7.65
28 in.	56 to 85 lbs.	6.75	7.45	8.15
30 in.	59 to 90 lbs.	7.15	7.90	8.65
32 in.	64 to 97 lbs.	7.55	8.35	9.15
34 in.	68 to 105 lbs.	8.00	8.85	9.70
36 in.	72 to 112 lbs.	8.45	9.30	10.30
38 in.	76 to 116 lbs.	8.85	9.90	10.95
40 in.	82 to 124 lbs.	9.35	10.50	11.65

WIDE TREAD METAL WHEELS
 WITH REGULAR 1/2-INCH ROUND SPOKES

For Farm Work and Light Hauling. Inexpensive and Efficient.

PRICES QUOTED BELOW ARE PER SINGLE WHEEL.

Give full measurements, as per diagram to the right.

\$4.45 to \$9.35 Each Wheel.



Height of Wheel	Weight of Each Wheel, About	99R8310 3/4 Tire, 3/4 x 3 In. Price, Each Wheel
24 in.	43 to 63 lbs.	\$4.45
26 in.	46 to 67 lbs.	4.80
28 in.	49 to 71 lbs.	5.15
30 in.	52 to 75 lbs.	5.50
32 in.	56 to 80 lbs.	5.85
34 in.	59 to 85 lbs.	6.20
36 in.	62 to 90 lbs.	6.60
38 in.	66 to 95 lbs.	7.00
40 in.	70 to 100 lbs.	7.40

Height of Wheel	Weight of Each Wheel, About	99R8311 1/2 Tire, 3/4 x 3 In. Price, Each Wheel	99R8312 1/2 Tire, 3/4 x 5 In. Price, Each Wheel
24 in.	43 to 63 lbs.	\$4.90	\$5.40
26 in.	46 to 67 lbs.	5.30	5.80
28 in.	49 to 71 lbs.	5.70	6.20
30 in.	52 to 75 lbs.	6.10	6.75
32 in.	56 to 80 lbs.	6.50	7.20
34 in.	59 to 85 lbs.	6.90	7.65
36 in.	62 to 90 lbs.	7.35	8.15
38 in.	66 to 95 lbs.	7.85	8.75
40 in.	70 to 100 lbs.	8.40	9.35

ALL OUR METAL WHEELS ARE MADE TO FIT ANY SIZE SKEIN OR AXLE.

\$5.20 AND UP
 No. 2 Concord or Wagon Axles.

Complete with nuts and boxes. Set consists of four axles, enough for four wheels. Short bed axles are to weld on old axles. Coached axles rounded in center. State size.

Size, Inches	Shpg. Wt., Lbs.	99R3111 Short Bed, About, Lbs.	Shpg. Wt., Lbs.	99R3110 Long Bed, About, Lbs.	99R3109 Long Bed, Coached, Per Set
1 1/4 x 7	40	\$5.20	80	\$7.65	\$7.40
1 3/8 x 7 1/2	50	6.85	90	9.75	9.35
1 1/2 x 8	65	8.65	120	11.35	10.65
1 3/4 x 9	90	12.20	160	15.95	15.85
2 x 10		Half sets at 210	220	22.60	22.40
2 1/4 x 11		half price of full sets.	270	29.50	29.30
2 1/2 x 12			330	37.45	37.20

Malleable Iron Fifth Wheels. \$1.85

Genuine Eberhard's No. 947. For double perch gears and plain axles only. We do not furnish for single perch gears, swaged or fantail axles.

99R3160—Buggy size, 10-inch circle. 1 1/4-inch head block, 1-inch axle, 3/4-inch perch. Shpg. wt., about 7 lbs. Price **\$1.85**

99R3161—Surrey size, 12-inch circle. 1 1/2-inch head block, 1 1/4-inch axle, 7/8-inch perch. Shpg. wt., about 10 lbs. Price **\$2.45**



\$4.50 AND UP
 Buggy, Surrey and Light Wagon Axles

Half Patent Double Collar Axle. Runs easy and has an oil retaining groove which makes frequent oiling unnecessary. State size.

Size, Inches	Shpg. Wt., About, Lbs.	99R3115 No. 12, Short Bed, Per Set of Four Axles	Shpg. Wt., About, Lbs.	99R3114 No. 11, Long Bed, Per Set of Four Axles
1 1/4 x 6 1/2	18	\$4.50	40	\$6.00
1 1/2 x 6 1/2	20	4.75	45	6.30
1 3/8 x 6 1/2	20	5.10	45	6.75
1 1/2 x 6 1/2	30	5.65	60	7.35
1 3/4 x 7	30	6.00	60	7.75
1 1/2 x 6 1/2	30	6.70	70	8.65
1 3/4 x 7	35	7.10	70	9.15
1 1/2 x 8	55	11.50	110	14.50

NOTE—We do not furnish boxes only, nor axles without boxes. A set of short bed axles (commonly called axle stubs) consists of four axles with short beds, which are intended to be welded to old axles. A set of long bed axles consists of four axles with beds long enough to make axle complete by welding in center. We do not weld axles. We sell one-half set at one-half or one-quarter set at one-fourth price of full set. In ordering parts of sets be sure to state whether right or left hand is wanted.

Extra Grade Rubber Tires.
 Guaranteed for quality. Size given is width of rim. Prices below do not include wires.

99R7296—Rubber Tire for 3/4-In. Rims. Weight, per foot, about 1 1/4 oz. Per foot **1.30**

99R7297—Rubber Tire for 7/8-In. Rims. Weight, per foot, about 1 1/2 oz. Per foot **2.00**

\$5.25 AND UP
 STEEL WAGON SKEINS

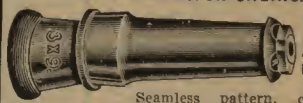
Made of tough steel and furnished complete with cast iron boxes. Have cut on skeins and in nut.

Size, Inches	Weight, per Set, About	99R3100—State size
2 1/4 x 8	45 pounds	
2 3/4 x 8 1/2	50 pounds	
3 x 9	70 pounds	
3 1/4 x 9	80 pounds	
3 1/2 x 10	90 pounds	
3 3/4 x 10	110 pounds	
4 x 12	130 pounds	

CAST IRON WAGON SKEINS.

Seamless pattern, complete with boxes. Made extra thick at bottom spindle, the part that wears, and extra at collar, where there is the greatest strain.

Size, inches	99R3105
2 1/4 x 8 2 3/4 x 8 1/2 3 x 9	45 lbs. 50 lbs. 60 lbs.
Price, set of 4	\$4.35 \$4.95 \$5.55
Size, inches 3 1/4 x 10 3 1/2 x 10 3 3/4 x 11	70 lbs. 80 lbs. 90 lbs.
Price, set of 4	\$6.75 \$7.70 \$8.85



IMPORTANT! Read This Before Ordering!

Sarven Pattern Wheels are furnished in the white only, oil finished, not painted, or varnished, and in two heights as follows:

LOW WHEELS—Fronts, 35 inches high; hinds, 39 inches high.

REGULAR WHEELS—Fronts, 39 inches high; hinds, 43 inches high.

Be Sure to State Height Wanted.

If Half Patent Double Collar Axles or Colling Collar Long Distance Axles are ordered with wheels, we will set axle boxes in hubs for \$1.00 per set extra. We do not set boxes for No. 2 Concord Axles in hubs.

We Do Not Set Boxes to Fit Old Axles.

If wheels are wanted with boxes set, new axles must be ordered with the wheels.

We Cannot Furnish Painted Wheels.

Sarven Pattern Buggy and Light Wagon Wheels

COMPLETE WITH ROUND EDGE TIRES.

Extra Grade Wheels.
 Our Extra Grade Wheels are well made, properly fitted and trued up. White straight grained second growth seasoned hickory spokes. Rims are screwed on each side of each spoke to prevent splitting. Have extended malleable flanges and tires bolted between spokes.

Extra Grade Wheels cost a little more than ordinary wheels, but will give you double the service and save you money in the end.



Kind of Wheels	Size of Tire, In.	For Axles, Inches	Shpg. Wt., Lbs.	Price, per Set of Four Wheels
99R3025 Narrow Light Buggy	3/4 x 3 1/2	3/4 to 1 x 6 1/2	80 to 90	\$17.00
99R3026 Regular Heavy Buggy	1 x 4	3/4 to 1 x 6 1/2	90 to 100	19.00
99R3027 Surrey Wheels	1 1/4 x 4 1/2	1 1/4 to 1 1/2 x 7	120 to 130	22.00
99R3028 Light Spring Wagon	1 1/4 x 4 1/2	1 1/4 x 7 1/2	150 to 160	26.00

Standard Grade Wheels.
 Made of seasoned hickory stock, fair quality and good grade for the prices quoted. Will give satisfactory service on repair work or low priced new jobs. For real economy we always recommend Extra Grade Wheels, as they are best for service and long wear.

Kind of Wheels	Size of Tire, In.	For Axles, Inches	Shpg. Wt., Lbs.	Price, per Set of Four
99R3020 Narrow Light Buggy	3/4 x 3 1/2	3/4 to 1 x 6 1/2	80 to 90	\$15.00
99R3021 Regular Heavy Buggy	1 x 4	3/4 to 1 x 6 1/2	90 to 100	16.00
99R3022 Surrey Wheels	1 1/4 x 4 1/2	1 1/4 to 1 1/2 x 7	120 to 130	18.00
99R3023 Light Spring Wagon	1 1/4 x 4 1/2	1 1/4 x 7 1/2	150 to 160	21.00

If desired we will sell wheels in half sets at one-half the price of full sets and quarter sets at one-fourth the price of full sets.



\$8.90

Unpainted.

High Grade Buggy or Surrey Poles.

Exceptional Values at Our Prices.

Made of straight grain hickory. Ironed complete and furnished with doubletree, singletrees and safety center neckyoke. Size, about 2x2 1/2 inches. Shipping weight, about 40 pounds.

99R3571—Unpainted.....\$8.90
99R3572—Red finish.....9.85
99R3573—Black finish.....9.90

IRONED BUGGY OR SURREY POLE.

Standard quality. Made of hickory. Size, about 2x2 1/2 inches. Ironed complete, with doubletree, singletrees, neckyoke and stay straps. Furnished in white only. Shipping wt., about 35 lbs.

99R3570—Price.....\$8.65

Buggy Eveners and Singletrees.

Finished in the white and ironed complete. Shipping wt., about 9 lbs.
99R3185—Price, per set.....\$1.75

Acme Buggy Neckyoke.

Size, about 1 1/2 inches in diameter; 3 inches long. Selected seasoned stock with leather neckyoke center. Not painted. Shpg. wt., about 4 lbs.

99R3186—Price.....60c

Full Size
Ironed Hickory
Wagon Singletrees.

Complete with improved back pull, ferrules and hooks. Oil finish.

Size Shpg. Wt. Price

99R6300 2 1/4 x 30 in. 3 lbs. \$0.60

99R6301 2 1/2 x 36 in. 5 lbs. .80

99R6302 3 x 38 in. 6 lbs. 1.15

Ironed Wagon Doubletree.

Size of wood, about 2x4x48 in.; wrought iron plate and malleable screw pin clevises; selected hardwood, oil finish. Shipping weight, about 12 pounds.

99R6306—Price.....\$1.05

Ironed Hickory Wagon Neckyokes.

Made of selected stock with heavy rings and ferrules. Oil finish.

99R6280—Size, 38 in. Shpg. wt., 7 lbs. \$1.05

99R6281—Size, 42 in. Shpg. wt., 9 lbs. 1.30

Tubular Steel Neckyoke.

"The Unbreakable Kind." A very strong and durable neckyoke.

Length, 44 in. Wt., abt. 11 lbs. Price \$1.90

Ironed Plow Doubletree Set.

Made of seasoned hardwood, ironed complete. Flat doubletree, about 1 1/2 x 3 1/2 x 42 inches; singletrees, about 1 1/2 x 28 inches. Finished in oil. Shpg. wt., about 14 lbs.

99R6296—Price, per set.....\$1.75

Acme Three-Horse Hickory Plow Evenner.

Strong and durable. Quickly changed for two horses; made of seasoned hardwood. Size of main evenner, about 1 1/2 x 3 1/2 x 40 inches; small evenners, about 1 1/2 x 32 x 28 inches; singletrees, 26 inches, oil finish.

Shipping weight, about 28 pounds.

99R6321—Price, per set.....\$3.85

Four-Horse Plow Evenner.

Made to work four horses abreast on 12 to 18-inch gang, sulky or disc plows, with three horses on unplowed ground and one horse in furrow. Coupled very short and guaranteed firm from side draft. Has adjusting bolt, by turning which either team can be given the advantage. Made of seasoned oak. Red finish.

99R1090—Price.....\$8.90

Ironed Wagon Bolsters.

Made of oak, ironed complete, ready for use. Tops of both front and hind bolsters are covered with steel; front bolsters fitted with wear plates. Stakes are 12 inches high, well braced and bound with steel. Stake fitted with two stake rings. Furnished in 38-inch, or narrow track, and 42-inch, or wide track. State width of track.

38-INCH

Front Bolster. \$3.30 3 INCHES WIDE.

99R3130 38-In. Front Bolsters. Size, Shpg. In. Wt. Abt. Price

3 25 lbs. \$3.30

3 30 lbs. 3.60

3 35 lbs. 3.95

99R3131 42-In. Front Bolsters. Size, Shpg. In. Wt. Abt. Price

3 30 lbs. \$3.60

3 35 lbs. 3.95

3 40 lbs. 4.35

99R3128 38-In. Hind Bolsters. Size, Shpg. In. Wt. Abt. Price

3 25 lbs. \$3.15

3 30 lbs. 3.45

3 35 lbs. 3.85

99R3129 42-In. Hind Bolsters. Size, Shpg. In. Wt. Abt. Price

3 30 lbs. \$3.35

3 35 lbs. 3.75

3 40 lbs. 4.15

Our Cardinal Wagon Set.

Set consists of doubletree, two singletrees and neckyoke, completely ironed, as illustrated.

Prices given below are approximate.

Doubletree, 2x4x48 inches; singletrees, 2 1/2 x 36 inches; neckyoke, 2 1/2 x 40 inches. Set complete.

99R6310—Price.....\$2.80

85c Strap End Wagon Singletree.

Strength. These singletrees are regular size, about 36 inches long by 2 1/2 inches in diameter. Round part of clip measures 1/4 inch; rings, 1/4 inch; end straps, 1/4 inch, and hooks, 3/4 inch. Oil finish. Shipping weight, about 6 lbs.

99R6304—Price.....85c

ECONOMY WAGON ENDGATES.

A simple, strong, well ironed endgate that gives the operator full control of the flow of the grain. Saves valuable time in unloading as there is no clogging or overflowing of the elevator. Takes the place of the common endgate and is always in position ready for use. No change in wagon box necessary.

99R3140—Width, 36 inches. Height, 14 inches. Shipping weight, 17 pounds. Price.....\$2.80

99R3141—Width, 36 inches. Height, 16 inches. Shipping weight, 19 pounds. Price.....\$2.85

Tubular Steel Plow Doubletree Set.

For heavy plowing. Made of steel with malleable center clevises. Furnished with center hook in doubletree. Trace hooks cannot get out of position.

Length of doubletree, about 36 in. Length of singletrees, about 30 in. (Shpg. wt., abt. 26 lbs.) \$4.80

99R6299—Price, per set.....\$4.80

Tubular Steel Plow Tripletree Set.

For lead teams, drags, disc plows or harrows. This set is practically unbreakable. Guaranteed to hold up on any load the horses can pull. Length of evenner, about 42 inches; length of singletrees, about 28 inches.

99R1085—Price, per set. (Shpg. wt., abt. 40 lbs.) \$7.20

Three-Horse Wagon Equalizer.

For hitching three horses to any wagon or implement that has a tongue. Constructed so that each horse pulls an equal load. Made of heavy clear oak. Red finish.

99R1080—Price.....(Wt., about 46 lbs.) \$7.60

Five-Horse Plow Evenner.

Constructed on same principle as four-horse evenner listed to left, except that it works four horses on unplowed ground and one horse in furrow. Guaranteed free from side draft. Strongly built. Red finish. Shipping weight, about 76 lbs.

99R1091—Price.....\$10.85

Acme Double Spring Bolster Springs.

38 in. Long, 1 1/2 in. Wide. Illustration shows half set.

Per Set, \$9.75

Width of Steel Springs Will Carry Shpg. Wt., per Set, Abt. Price, per Set

99R33250 1 1/2 in. 1,000 lbs. 70 lbs. \$9.75 \$10.25

99R33251 1 1/2 in. 1,500 lbs. 90 lbs. 10.50 11.00

99R33252 1 1/2 in. 2,000 lbs. 100 lbs. 11.25 11.75

99R33253 1 1/2 in. 2,500 lbs. 110 lbs. 12.00 12.50

99R33254 2 in. 3,000 lbs. 130 lbs. 13.00 13.50

99R33255 2 in. 4,000 lbs. 140 lbs. 14.25 14.75

99R33256 2 in. 5,000 lbs. 150 lbs. 15.50 16.00

99R33257 2 1/2 in. 6,000 lbs. 200 lbs. 18.50 19.75

Frame Hitch Attachments.

For attaching four and five-horse evenners to frame hitch plows. Shpg. wt., abt. 9 lbs.

99R6325—Price.....\$1.70

Binder Attachment.

For attaching four or five-horse evenners to binders. Shpg. wt., abt. 12 lbs.

99R6326—Price.....\$1.70

Receives the jolts and jars and save the wear and tear on the wagon.

Made on the same principle as an elliptic carriage spring and so constructed that they will not strike the bolters. Every set guaranteed to carry the number of pounds represented. A set consists of outfit complete for front and hind bolster. State length. 38-inch always sent unless otherwise ordered.

99R33250 1 1/2 in. 1,000 lbs. 70 lbs. \$9.75 \$10.25

99R33251 1 1/2 in. 1,500 lbs. 90 lbs. 10.50 11.00

99R33252 1 1/2 in. 2,000 lbs. 100 lbs. 11.25 11.75

99R33253 1 1/2 in. 2,500 lbs. 110 lbs. 12.00 12.50

99R33254 2 in. 3,000 lbs. 130 lbs. 13.00 13.50

99R33255 2 in. 4,000 lbs. 140 lbs. 14.25 14.75

99R33256 2 in. 5,000 lbs. 150 lbs. 15.50 16.00

99R33257 2 1/2 in. 6,000 lbs. 200 lbs. 18.50 19.75

Sears, Roebuck and Co.

Chicago 21057

Quality Braced Heel Shafts. \$5.70 AND UP

Illustration shows Shafts furnished with Plain Eyes.

Made of seasoned straight grained hickory and fitted with patent lock heel braces. Both finished and white shafts are furnished complete with leather loops and 24-inch patent leather ends. Buggy size, about 1 1/2 x 2 inches; surrey size, about 1 1/2 x 2 1/4 inches. Shipping weights: Buggy shafts, about 23 pounds; surrey shafts, about 25 pounds.

99R3553—Buggy Shafts. Unpainted. Plain eye. Price, \$5.70
99R3554—Buggy Shafts. Red finish. Plain eye. Price, 5.90
99R3555—Buggy Shafts. Bk. finish. Plain eye. Price, 5.95
99R3556—Buggy Shafts. Unpainted. Bradley eye. Price, 5.90
99R3557—Buggy Shafts. Red finish. Bradley eye. Price, 6.25
99R3558—Buggy Shafts. Bk. finish. Bradley eye. Price, 6.30
99R3559—Surrey Shafts. Unpainted. Plain eye. Price, 6.55

STANDARD QUALITY IRONED BUGGY SHAFTS.

Made of hickory, ironed complete, not painted. Size, about 1 1/2 x 2 inches. Shipping weight, about 23 pounds.

99R3550—Price.....\$4.10

60c Bradley Shaft 80c Couplings. Surrey Size.

99R3241—State size. Buggy size. Wt., about 3 lbs. Per pair.....60c

Surrey size. Weight, about 4 lbs. Per pair.....80c

"Safety First" Singletrees.

65c

A good, strong 36-inch wagon singletree. Fitted with the celebrated McLeod Safety End Clips. A very strong and practical clip. Heavy center clips and rings. Red finish. Shipping wt., about 7 pounds.

99R6305—Price.....65c

Ironed Plow Singletrees.

45c

Welded steel clips and hooks. Selected seasoned hardwood, oil finish. Shipping wt., about 2 1/2 pounds.

99R6290 26 in. Price.....45c

99R6291 30 in. Price.....48c

Tubular Steel Plow Singletree.

85c

This is an exceptionally strong and durable singletree. Reinforced where strain is greatest, making it practically unbreakable. Length, about 28 inches. Shipping weight, about 5 lbs.

99R6298—Price, each.....85c

Ironed Hickory Plow Doubletree Set.

HEAVY IRONS. SELECTED STOCK. \$1.65

Outfit for plowing, harrowing, etc. Made of good quality seasoned hardwood, oil finish. Evenner measures about 36 in. long; singletrees about 28 in. long. Shpg. wt., abt. 12 lbs.

99R6295—Price, per set.....\$1.65

Three-Horse Wagon Equalizer.

\$7.60

For hitching three horses to any wagon or implement that has a tongue. Constructed so that each horse pulls an equal load. Made of heavy clear oak. Red finish.

99R1080—Price.....(Wt., about 46 lbs.) \$7.60

Five-Horse Plow Evenner.

Constructed on same principle as four-horse evenner listed to left, except that it works four horses on unplowed ground and one horse in furrow. Guaranteed free from side draft. Strongly built. Red finish. Shipping weight, about 76 lbs.

99R1091—Price.....\$10.85

Acme Double Spring Bolster Springs.

38 in. Long, 1 1/2 in. Wide. Illustration shows half set.

Per Set, \$9.75

Width of Steel Springs Will Carry Shpg. Wt., per Set, Abt. Price, per Set

99R33250 1 1/2 in. 1,000 lbs. 70 lbs. \$9.75 \$10.25

99R33251 1 1/2 in. 1,500 lbs. 90 lbs. 10.50 11.00

99R33252 1 1/2 in. 2,000 lbs. 100 lbs. 11.25 11.75

99R33253 1 1/2 in. 2,500 lbs. 110 lbs. 12.00 12.50

99R33254 2 in. 3,000 lbs. 130 lbs. 13.00 13.50

99R33255 2 in. 4,000 lbs. 140 lbs. 14.25 14.75

99R33256 2 in. 5,000 lbs. 150 lbs. 15.50 16.00

99R33257 2 1/2 in. 6,000 lbs. 200 lbs. 18.50 19.75

Frame Hitch Attachments.

For attaching four and five-horse evenners to frame hitch plows. Shpg. wt., abt. 9 lbs.

99R6325—Price.....\$1.70

Binder Attachment.

For attaching four or five-horse evenners to binders. Shpg. wt., abt. 12 lbs.

99R6326—Price.....\$1.70

Receives the jolts and jars and save the wear and tear on the wagon.

Made on the same principle as an elliptic carriage spring and so constructed that they will not strike the bolters. Every set guaranteed to carry the number of pounds represented. A set consists of outfit complete for front and hind bolster. State length. 38-inch always sent unless otherwise ordered.

99R33250 1 1/2 in. 1,000 lbs. 70 lbs. \$9.75 \$10.25

99R33251 1 1/2 in. 1,500 lbs. 90 lbs. 10.50 11.00

99R33252 1 1/2 in. 2,000 lbs. 100 lbs. 11.25 11.75

99R33253 1 1/2 in. 2,500 lbs. 110 lbs. 12.00 12.50

99R33254 2 in. 3,000 lbs. 130 lbs. 13.00 13.50

99R33255 2 in. 4,000 lbs. 140 lbs. 14.25 14.75

99R33256 2 in. 5,000 lbs. 150 lbs. 15.50 16.00

99R33257 2 1/2 in. 6,000 lbs. 200 lbs. 18.50 19.75

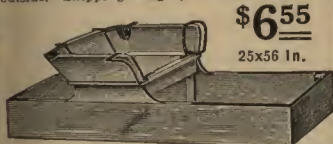
OAK WAGON TONGUES, \$1⁹⁰ To \$2⁹⁰

99R3512—Size, about 3 inches. Shipping weight, about 25 pounds. Price.....\$1.90

99R3513—Size, about 3½ inches. Shipping weight, about 30 pounds. Price.....\$2.40

99R3514—Size, about 4 inches. Shipping weight, about 45 pounds. Price.....\$2.90

PIANO BOX BUGGY BODIES.
IRONED COMPLETE, BUT NOT PAINTED.
Made of seasoned timber. Ironed complete and finished ready to paint. Panels are glued, clamped and screwed to frame. Size measurements are on the bottom, outside to outside. Shipping weight, 60 to 95 pounds.



\$655
25x56 in.

PRICES WITH SEAT AS ILLUSTRATED.

Size	With seat	Price
99R3010—20x56 in.	With seat	\$6.15
99R3011—23x56 in.	With seat	6.35
99R3012—25x56 in.	With seat	6.55

PRICES WITHOUT SEAT.

Size	Without seat	Price
99R3007—20x56 in.	Without seat	\$4.50
99R3008—23x56 in.	Without seat	4.70
99R3009—25x56 in.	Without seat	4.90

Oak Wagon Hounds and Sway Bars.

Seasoned finished oak; rounded and planed smooth.

99R3475—Finished Hind Hounds. Size, about 2x3x47 inches. Shipping weight, about 13 pounds. Per pair.....**50c**

99R3479—Surfaced Front Hounds. Size, about 2x3x48 inches. Shipping weight, about 14 pounds. Per pair.....**35c**

99R3474—Finished Tongue Hounds. Size, about 2x2½x30 inches. Shipping wt., about 6 lbs. Per pair.....**30c**

99R3478—Surfaced Sway Bar. Size, about 2x2½x41 inches. Shipping weight, about 6 pounds. Price, each.....**30c**

Oak Wagon Sand Boards.

Seasoned selected oak. Narrow. Length, about 3 feet 9 inches.

99R3470—Size 3x3 in. Shpg. Wt. 3 lbs. Price **70c**

99R3471—Size 3x3½ in. Shpg. Wt. 13 lbs. Price **85c**

Finished Hickory Wagon Axles.

Seasoned straight grain stock. Narrow. Length, about 5 feet 1 inch.

99R3450—Size 2½ in. Shpg. Wt. 18 lbs. Price **\$1.40**

99R3451—Size 2½ in. Shpg. Wt. 20 lbs. Price **1.55**

99R3452—Size 3 in. Shpg. Wt. 25 lbs. Price **1.80**

99R3453—Size 3½ in. Shpg. Wt. 30 lbs. Price **2.10**

99R3454—Size 3½ in. Shpg. Wt. 35 lbs. Price **2.40**

Oak Wagon Bolsters.

About 48 inches long. Seasoned oak, rounded and finished.

99R3463—Size, About 3 x 4 in. Shpg. Wt. 15 lbs. Price **\$0.90**

99R3464—Size, About 3½ x 4 in. Shpg. Wt. 18 lbs. Price **1.20**

99R3465—Size, About 3½ x 4½ in. Shpg. Wt. 20 lbs. Price **1.40**

HIND BOLSTERS.

3½x4x4-in.

99R3460—Size, About 3 x 4 in. Shpg. Wt. 17 lbs. Price **\$0.90**

99R3461—Size, About 3½ x 4½ in. Shpg. Wt. 19 lbs. Price **1.20**

99R3462—Size, About 3 x 6 in. Shpg. Wt. 25 lbs. Price **1.40**

Finished Oak Reaches.

Seasoned surfaced stock.

99R3515—Size, About 1½ x 3½ in. Lth. Wt. 3 ft. 20 lbs. Price **\$1.00**

99R3516—Size, About 1½ x 3½ in. Lth. Wt. 18 ft. 25 lbs. Price **1.20**

99R3517—Size, About 1½ x 4 in. Lth. Wt. 12 ft. 30 lbs. Price **1.40**

Built for Heavy Service.

\$680 \$520 \$410

99R3518—Size, About 1½ x 3½ in. Lth. Wt. 3 ft. 20 lbs. Price **\$1.00**

99R3519—Size, About 1½ x 3½ in. Lth. Wt. 18 ft. 25 lbs. Price **1.20**

99R3520—Size, About 1½ x 4 in. Lth. Wt. 12 ft. 30 lbs. Price **1.40**

99R3521—Size, About 1½ x 3½ in. Lth. Wt. 3 ft. 20 lbs. Price **\$1.00**

99R3522—Size, About 1½ x 3½ in. Lth. Wt. 18 ft. 25 lbs. Price **1.20**

99R3523—Size, About 1½ x 4 in. Lth. Wt. 12 ft. 30 lbs. Price **1.40**

99R3524—Size, About 1½ x 3½ in. Lth. Wt. 3 ft. 20 lbs. Price **\$1.00**

99R3525—Size, About 1½ x 3½ in. Lth. Wt. 18 ft. 25 lbs. Price **1.20**

High Quality Vehicle Wood Stock



BUGGY AND WAGON SPOKES.

Handled in two grades: XX grade is selected stock and recommended for high class repair work and medium priced new work. X grade for ordinary repair work. Be sure to state size.

SARVEN PATTERN HICKORY SPOKES.

Length, 24 inches. Size given is width at tenon.

70c Per Doz. **\$550 Per 100.**

1-Inch Size. X Grade Hickory Sarven Pattern Spokes.

Shipping weight, per 100 spokes, about.....**\$0.70**

Price, per dozen.....**\$0.50**

Price, per 100.....**5.00**

XX Grade Hickory Sarven Pattern Spokes.

Size, inches.....**1 1½ 1¾ 1½ 1¾ 1½ 1¾ 1½ 1¾ 1½**

Wt., per 100, about.....**40 lbs. 50 lbs. 60 lbs. 70 lbs. 80 lbs. 90 lbs. 100 lbs. 110 lbs. 120 lbs. 130 lbs. 140 lbs. 150 lbs.**

99R3333—Per doz.....**\$0.80 \$0.90 \$1.00 \$1.15 \$1.35 \$1.60 \$1.85 \$2.15**

99R3334—Per 100.....**6.50 7.00 7.50 8.75 10.00 12.00 14.00 16.00**

PLAIN OAK WAGON SPOKES.

Front spokes measure about 22 inches long. Hind spokes measure about 26 inches long. Size given is width of spoke at the tenon. Set consists of 24 front and 28 hind spokes. Be sure to state size.

\$550 Per Set **Per Set \$650**

2½-Inch. 99R3345—X Grade Plain Oak Wagon Spokes.

Size, inches.....**1¾ 2 2½ 2¾ 3 3½ 3¾ 4 4½ 4¾ 5 5½ 6**

Shpg. wt., per set, abt.....**\$0.60 \$0.70 \$0.80 \$0.90 \$1.00 \$1.10 \$1.20 \$1.30 \$1.40 \$1.50 \$1.60 \$1.70 \$1.80**

99R3346—XX Grade Plain Oak Wagon Spokes.

Size, inches.....**1¾ 2 2½ 2¾ 3 3½ 3¾ 4 4½ 4¾ 5 5½ 6**

Shpg. wt., per set, abt.....**\$0.50 \$0.60 \$0.70 \$0.80 \$0.90 \$1.00 \$1.10 \$1.20 \$1.30 \$1.40 \$1.50 \$1.60 \$1.70**

Price, per full set.....**\$4.50 \$5.40 \$6.00 \$6.50 \$7.00 \$8.00 \$8.50 \$9.50 \$10.50 \$11.00**

NOTE—Half set, either front or hind, at one-half price of full sets.

CUPPED OAK WAGON HUBS.

Seasoned stock; will make a strong, substantial wheel. Our hubs are cupped about 1 inch in small end. All our hubs straight mortise only, twelve mortises in front hubs, fourteen mortises in hind hubs. In ordering hubs allow 1 inch longer hub than axle spindle. Four hubs in a set. Give size when ordering.

Per Set of 4 \$185 **8-in. Diam.**

Diameter, inches.....**7 7½ 8 8½ 9 10 11 12 13**

Length, inches.....**9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100**

Shpg. wt., set of 4 hubs, about, lbs.....**30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000**

99R3360—Price, set of 4 hubs.....**\$1.25 \$1.60 \$1.85 \$2.15 \$2.45 \$2.85**

NOTE—Half set, either front or hind, at one-half price of full sets.

HICKORY BUGGY AND WAGON RIMS.

Selected seasoned stock, for high class repairs and regular new work, guaranteed to give satisfaction. Prices below are for full set of eight pieces, enough for two front and two hind wheels. We do not furnish sizes or heights other than as listed below. State heights.

NOTICE—All rims are slightly over size in length, to allow for cutting and fitting to make a true circle.

Per Set, \$295 **1-in. Tread**

Tread, About.....**1 1½ 1¾ 2 2½ 2¾ 3 3½ 3¾ 4 4½ 4¾ 5 5½ 6**

Depth, About.....**1 1½ 1¾ 2 2½ 2¾ 3 3½ 3¾ 4 4½ 4¾ 5 5½ 6**

Heights in Stock, Inches.....**36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100**

Shipping Weight, per Set, About.....**18 pounds 25 pounds 30 pounds 35 pounds 40 pounds 45 pounds 50 pounds**

Price, per Set.....**\$2.70 2.95 3.30 3.80 4.45 5.60**

OAK WAGON AND TRUCK RIMS.

Selected seasoned oak, good quality; will make a strong, sturdy wheel. This oak rim is not the cheapest grade made, nor do we claim it to be second growth stock, but for first quality repair work or regular new jobs you can depend on it to give satisfaction and wear as long as the balance of the vehicle. Prices below are for full set of eight pieces, enough for two front and two hind wheels. We do not furnish sizes or heights not quoted below. State heights.

Per Set, \$475 **Per Set, \$540** **Per Set, \$630** **Per Set, \$690** **Per Set, \$750** **Per Set, \$860** **Per Set, \$11.50**

Tread, About.....**1 1½ 1¾ 2 2½ 2¾ 3 3½ 3¾ 4 4½ 4¾ 5 5½ 6**

Depth, About.....**1 1½ 1¾ 2 2½ 2¾ 3 3½ 3¾ 4 4½ 4¾ 5 5½ 6**

Heights in Stock, Inches.....**36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100**

Shipping Weight, per Set, About.....**60 pounds 70 pounds 80 pounds 90 pounds 100 pounds 130 pounds 180 pounds**

Price, per Set.....**\$4.75 5.40 6.30 6.90 7.50 8.60 11.50**

NOTE—Half set, either front or hind, at one-half price of full sets.

FINISHED OAK WAGON FELLOES. **\$420 to \$510**

Seasoned selected stock, rounded and finished ready for use. A set consists of twelve front felloes and fourteen hind felloes. We do not furnish sizes or heights other than as quoted below.

Per Set, \$420 to \$510

Tread, Depth, Heights in Stock, Shpg. Wt., Price, per Full Set

99R3320 1½ in. 2½ in. 3 ft. 3 ft. 6 in. 50 lbs. \$4.20

99R3321 1½ in. 2½ in. 3 ft. 8 in. 4 ft. 6 in. 60 lbs. 4.50

99R3322 1½ in. 2½ in. 3 ft. 3 ft. 6 in. 60 lbs. 4.80

99R3323 1½ in. 2½ in. 3 ft. 8 in. 4 ft. 6 in. 70 lbs. 5.10

Note—Half set, either front or hind, at one-half price of full sets.

The New Samson Malleable Wagon Jacks.

Shpg. Wt., Price

99R5516 To Lift Corner of 16 lbs. \$4.10

99R5517 6-ton load or less 25 5.20

99R5518 8-ton load or less 30 6.80

It raises and trips or may be lowered notch by notch automatically. No springs or complex parts to get out of order.

Oliver Improved Malleable Wagon Jacks.

For Shpg. Wt., Lbs. Price

99R5510—Buggies 6 \$1.20

99R5511—Light Wagons 11 1.90

99R5512—Heavy Wagons 13 2.85

A low priced easily adjusted jack. Simple in construction and positive in its action. Locks when handle passes center. Raising handle will lower load without a jar.

Buggy and Wagon Shafts.

Seasoned selected hickory **\$230** 1½x2-in. in the white.



Finished Bent Heel Buggy and Surrey Shafts.

Size, About Shpg. Wt. Pair

99R3370 1½x1½ in. 15 lbs. \$2.15

99R3371 1½x2 in. 16 lbs. 2.30

99R3372 1½x2½ in. 18 lbs. 2.45

Buggy and Wagon Poles. \$305

Selected seasoned hickory. 2x2½-Inch.

Finished, double bent.

Size, About Shpg. Wt. Each

99R3520 1½x3½ in. 15 lbs. \$2.90

99R3521 2 x 2½ in. 18 lbs. 3.05

99R3522 2 x 3 in. 25 lbs. 3.85

Finished Hickory Crossbars. 30c

Selected seasoned stock, with tenons and hole, ready for use. 1½x2-Inch.

Size, About Shpg. Wt. Each

99R3380 1½x1½ in. 3 lbs. 26c

99R3381 1½x2 in. 4 lbs. 30c

99R3382 1½x2½ in. 5 lbs. 35c

99R3383 1½x2½ in. 6 lbs. 42c

Buggy, Wagon and Plow Single-trees.

Selected seasoned stock.

Round End Hickory Single-trees, Second growth. 20c 1½-Inch.

Size, About Shpg. Wt. Each

99R3386 1½ in. 1½ lbs. 15c

99R3387 1½ in. 2 lbs. 20c

99R3388 2 in. 2½ lbs. 25c

Oval Hickory Wagon Single-trees, Second growth. 40c

Length, about 36 inches. 2½x36-Inch.

Size, About Shpg. Wt. Each

99R3495 2½ in. 4 lbs. 30c

99R3496 2½ in. 5 lbs. 35c

99R3497 2½ in. 6 lbs. 40c

99R3498—Oval Hardwood Plow Single-trees. Size, 2½x30 inches. Shipping weight, about 2 pounds. Price, each.....**20c**

Turned Hickory Neckyokes. 45c

Selected seasoned stock. 2½x40-Inch.

Size, About Shpg. Wt. Each

99R3480 2½x38 in. 4 lbs. 35c

99R3481 2½x40 in. 5 lbs. 45c

99R3482 2½x42 in. 6 lbs. 55c

Doubletrees and Eveners. 25c

Hickory Buggy and Express Doubletrees, forest grade, about 48 inches long. 1½x2½-Inch.

Size, About Shpg. Wt. Each

99R3492 1½x2½ in. 3 lbs. 20c

99R3493 1½x2½ in. 5 lbs. 25c

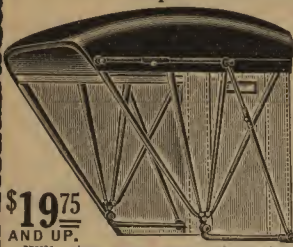
99R3494 1½x3 in. 6 lbs. 30c

99R3490—Hardwood Plow Doubletree. Size, about 1½x3½x42 inches long. Shipping weight, about 8 pounds. Price, each.....**35**

HIGH GRADE BUGGY TOPS

The tops shown on this page are made of high grade materials. We them to fit Plain Panel Seats, Twin Auto Style Seats and High Panel Seats. (See below.) In ordering follow directions for taking measurements check your figures carefully so as to avoid errors and unnecessary correspond

Genuine Leather Quarter Top.



\$19.75
AND UP.

Will give many years of service. Roof and back curtains made of heavy weight rubber drill. Quarters and stays made of black enameled leather. Furnished in four-bow style, as illustrated, complete with rubber drill side curtains. Shipping weight, about 50 pounds. See diagrams below for taking measurements.

99R3724 1/2—For Plain Panel Seats, without shifting rail.

Price **\$19.75**

99R3725 1/2—For Twin Auto Style Seats, without shifting rail.

Price **\$25.50**

99R3726 1/2—For High Panel Style Seats, without shifting rail.

Price **\$25.50**

Competition Enameled Drill Top.



\$14.90

Made of black enameled drill. Furnished in four-bow style, complete with side and back curtains, for plain panel seats only. Shipping weight, about 50 pounds. See diagram below for taking measurements.

99R3705 1/2—For Plain Panel Seats only, without shifting rail.

Price **\$14.90**

Directions for Taking Measurements for Tops to Fit Plain Panel Seats.

We carry in stock tops to fit this style seat measuring 34, 36 and 38 inches (J to K); 17 inches (D to E); and 5 1/2 inches (L to M). Other sizes are shipped direct from factory near CHICAGO.

MEASUREMENTS FOR TOPS. Inches
Give distance from hole to hole (J to K).....
Depth of seat, from a line parallel with top of seat to bottom of seat (L to M).....
Distance from center of gooseneck to center of prop (D to E).....

EXTRAS TO PRICES ON TOPS.
Tops, built 3 1/2-bow Handy Style, extra.....**35c**
Tops, 43 to 50 inches wide, extra.....**75c**
Shipping Rail for Plain Panel Seats, per pair, extra.....**90c**

99R3740 1/2—Wood and Irons for Backs to attach to seat, complete, extra.....**\$1.65**

MEASUREMENTS FOR WOOD AND IRONS FOR BACKS. Inches
Give distance across front of seat (J to K).....
Give distance from hole to hole on back of seat (N to O).....

Wagon Umbrella.



\$4.10

Shipping wt., about 8 lbs.

Protects driver from sunshine, rain or snow. Has heavy duck (not drill) cover, will not leak in the heaviest rain and will give long and satisfactory service. This umbrella has six stiff steel ribs and a spread of about 5 feet 8 inches. Price includes fixture and screws for attaching.

99R3078—Covered brown duck **\$4.10**

99R3079—Covered white duck **\$4.10**

Riding Plow Umbrella Holder.

A strong malleable iron umbrella holder or arm which can be attached to riding plows, mowers, binders and other implements. Holds umbrella securely. Properly finished. Weight, about 2 pounds.

99R3456—Price.....**45c**

FOLDING THIRD SEATS.

Make a buggy as comfortable for three persons as for two. Fit between the two on the seat and take up little room. Wt., about 3 lbs.

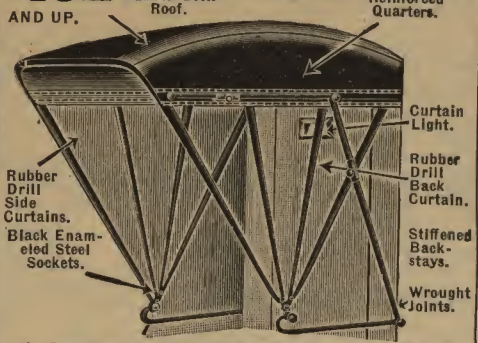
Brussels Carpet. Covered With Price

99R3125—Heavy brown duck.....**80c**

99R3126—Brussels carpet.....**84c**

99R3127—Velvet carpet.....**88c**

\$15.80 Reliable Full Rubber Drill Top.



A dependable and serviceable top. Roof, quarters and stays are made of a medium weight rubber drill. Sockets and joints are strong. Furnished in four-bow style, as illustrated, complete with rubber drill side and back curtains. Shipping weight, about 50 pounds. See diagrams below for taking measurements.

99R3708 1/2—For Plain Panel Seats, without shifting rail. Price.....**\$15.80**

99R3709 1/2—For Twin Auto Style Seats, without shifting rail. Price.....**20.60**

99R3710 1/2—For High Panel Style Seats, without shifting rail. Price.....**20.60**

Twin Auto Style Buggy Outfit.

\$39.50

A high quality, serviceable outfit. Seat is twin auto style in the white (not painted), upholstered with high quality black morocco grain artificial leather and fitted with glove pockets. The roof, quarters, stays and curtains are made of rubber drill. Top equipped with skeleton bows and curved automobile style sockets. Furnished in four-bow style in the following sizes: 29x18 inches and 31x18 in., bottom of seat measurements. State size wanted. Shipped direct from our factory near CHICAGO. Shpg. wt., about 130 pounds.

99R3735 1/2—Price, complete.....**\$39.50**

Directions for Taking Measurements for Tops to Fit Twin Auto and High Panel Style Seats.

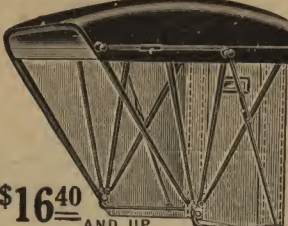
On account of the large variation in heights and curves of the panels as made by different factories, we cannot attempt to carry in stock tops to fit these styles of seats. Same will have to be made up especially to your measurements.

Tops to fit either style of seats are shipped direct from factory near CHICAGO.

MEASUREMENTS FOR TOPS. Inches

Distance across back near top, outside to outside measurement (A to B).....
Distance from shoulder to shoulder of gooseneck (C to D).....
Distance from center of gooseneck to center of rear prop (D to E).....
Distance from center of rear prop rest to a line drawn perpendicular with top corner of back (E to F).....
Distance from center of gooseneck to base line (D to G).....
Distance from center of rear prop to base line which is level with outside bottom of seat (H to I).....
Distance from top corner of back (B) to base line.....
If seat has rail for fastening back stays, give distance from top of rail to base line.....
If seat has rail for fastening back stays, give distance across back of rail from hole to hole nearest to corners of rail.....

Heavy Rubber Drill Top.



\$16.40
AND UP.

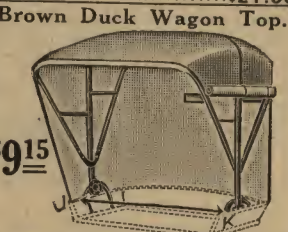
Will wear longer than our Reliable Full Rubber Drill Top, as roof, quarters, stays and back curtains are made of a heavy weight rubber drill. Furnished in four-bow style, as illustrated, complete with rubber drill side and back curtains. Shpg. wt., about 50 lbs. See diagrams below for taking measurements.

99R3711 1/2—For Plain Panel Seats, without shifting rail. Price.....**\$16.40**

99R3712 1/2—For Twin Auto Style Seats, without shifting rail. Price.....**\$21.50**

99R3713 1/2—For High Panel Style Seats, without shifting rail. Price.....**\$21.50**

Brown Duck Wagon Top.



\$9.15

Covered with heavy weight closely woven brown duck. Furnished complete with side and back curtains, necessary fixtures and bolts for attaching to seat. Sizes, to fit seats 32, 34, 36, 38, 40, 42 and 44 inches wide (J to K), as shown in illustration, are carried in stock. Other sizes shipped direct from factory near CHICAGO. In ordering give width outside to outside of flare on top of seat (J to K). Shipping wt., about 20 lbs.

99R3701 1/2—Price, without seat.....**\$9.15**

Directions for Taking Measurements for Tops to Fit Plain Panel Seats.

We carry in stock tops to fit this style seat measuring 34, 36 and 38 inches (J to K); 17 inches (D to E); and 5 1/2 inches (L to M). Other sizes are shipped direct from factory near CHICAGO.

MEASUREMENTS FOR TOPS. Inches

Distance across back near top, outside to outside measurement (A to B).....
Distance from shoulder to shoulder of gooseneck (C to D).....
Distance from center of gooseneck to center of rear prop (D to E).....
Distance from center of rear prop rest to a line drawn perpendicular with top corner of back (E to F).....
Distance from center of gooseneck to base line (D to G).....
Distance from center of rear prop to base line which is level with outside bottom of seat (H to I).....
Distance from top corner of back (B) to base line.....
If seat has rail for fastening back stays, give distance from top of rail to base line.....
If seat has rail for fastening back stays, give distance across back of rail from hole to hole nearest to corners of rail.....

Button Tufted Seat Cushion and Full Back.



See diagram at bottom of page for taking measurements.
\$1.80
AND UP.

99R3759 1/2—Black Enameled Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 5 1/2 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$1.80**

99R3760 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3761 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3762 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3763 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3764 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3765 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3766 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3767 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3768 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3769 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3770 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3771 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3772 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3773 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3774 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3775 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3776 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3777 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3778 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3779 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3780 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3781 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3782 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3783 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3784 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3785 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3786 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3787 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3788 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3789 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3790 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3791 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3792 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3793 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3794 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3795 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3796 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

99R3797 1/2—Black Rubber Drill Cushion with fall. Sizes to fit seats measuring 28, 30, 32 and 34 inches in width (S to T) by 15 inches in depth (Q to R) are carried in stock. Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats 24 inches width (S to T) or less.....**\$2.00**

For buggies with 23 or 25-inch bodies and tops measuring 40 to 43 in. across top of bows.

This high grade storm shield is made of heavy waterproof material, fitted with large celluloid front light, side lights and a 12-inch line pocket. Has connections for attaching to dash, body and bows. Shipping weight, about 6 pounds.

99R3743—Price.....**\$5.20**

Standard quality storm shields, similar to above, made of rubber drill with celluloid front and side lights, line pocket and fasteners for attaching.

99R3755—For buggy tops measuring 36 to 40 inches across top of bows. Shipping weight, about 6 pounds. Price.....**\$3.90**

99R3756—For buggy tops measuring 41 to 48 inches across top of bows. Shipping weight, about 7 pounds. Price.....**\$4.95**

99R3747—Price.....**\$9.85**

Will Make Any Ordinary Buggy Stormproof.

Well made of heavy rubber cloth, built over wood and metal frame. Large front celluloid window opens inward and is held against roof by spring hinge. Side curtains have large celluloid lights and roll on spring rollers attached to corner posts. Easily attached or detached. Shipping weight, 55 pounds.

99R3747—Price.....**\$9.85**

For buggies with 23 or 25-inch bodies and tops measuring 40 to 43 in. across top of bows.

This high grade storm shield is made of heavy waterproof material, fitted with large celluloid front light, side lights and a 12-inch line pocket. Has connections for attaching to dash, body and bows. Shipping weight, about 6 pounds.

99R3743—Price.....**\$5.20**

Standard quality storm shields, similar to above, made of rubber drill with celluloid front and side lights, line pocket and fasteners for attaching.

99R3755—For buggy tops measuring 36 to 40 inches across top of bows. Shipping weight, about 6 pounds. Price.....**\$3.90**

99R3756—For buggy tops measuring 41 to 48 inches across top of bows. Shipping weight, about 7 pounds. Price.....**\$4.95**

99R3747—Price.....**\$9.85**

Will Make Any Ordinary Buggy Stormproof.

Well made of heavy rubber cloth, built over wood and metal frame. Large front celluloid window opens inward and is held against roof by spring hinge. Side curtains have large celluloid lights and roll on spring rollers attached to corner posts. Easily attached or detached. Shipping weight,



PATENT LEATHER BUGGY OR WAGON DASHES.

\$260 24-in. Size **\$300** 30-in. Size

First quality patent leather, smoothly and evenly stitched. Wrought steel frame, complete with feet and bolts for attaching. State width.

99R3093—Height, 13 inches. Width Shpg. Price

Dash About	Price	Dash About	Price
21 in. 6 lbs.	\$2.45	27 in. 7 lbs.	\$2.80
22 in. 6 lbs.	2.50	28 in. 7 lbs.	2.90
23 in. 6 lbs.	2.55	30 in. 7 lbs.	3.00
24 in. 7 lbs.	2.60	32 in. 7 lbs.	3.15
25 in. 7 lbs.	2.65	34 in. 8 lbs.	3.35
26 in. 7 lbs.	2.70	36 in. 8 lbs.	3.60

SWELL CORNER SURREY DASHES.

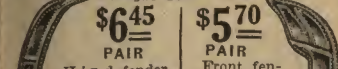


28-INCH Made of patent leather, and is extra strong, having three wrought

steel ribs and slotted bar to hold bolts for attaching to feet. Price for dashes complete with feet and bolts. State width.

99R3094—Height, 17 inches. Width. 24 in. 26 in. 28 in. 30 in. 32 in. Shpg. wt. 8 lbs. 9 lbs. 10 lbs. 10 lbs. 10 lbs. Price. \$3.85 \$4.00 \$4.25 \$4.50 \$4.75

PATENT LEATHER SURREY FENDERS. Wrought Steel Frame.

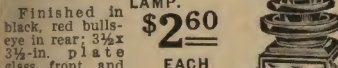


PAIR \$6.45 PAIR \$5.70

Hand fender. 6x7x31 inches long; 4 1/2 inches to center of attaching bars. 20 1/2 inches to center of attaching bars.

99R3190 Per pair \$6.45 Shipping wt., about 25 lbs. 99R3191 Per pair \$5.70 Shpg. wt., about 14 lbs.

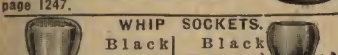
"SPECIAL" KEROSENE DASH LAMP.



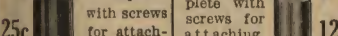
Finished in black, red, blue, eye in rear. 3 1/2 x 3 1/2 in. plate glass front and glass; height, 11 in. Shpg. wt., 4 lbs. with dash clamp. 99R3175—Right hand. Price. \$2.60 99R3176—Left hand. Price. \$2.60

For electric vehicle lamps see page 1247.

WHIP SOCKETS. Black steel shell. Complete with screws for attaching. Wt., about 4 oz. Price. 25c 99R3132 Price. 25c



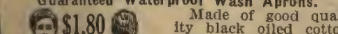
Black wood shell. Complete with screws for attaching. Wt., about 4 ounces. Price. 12c 99R3131 Price. 12c



Guaranteed Waterproof Wash Aprons. Made of good quality black oil cloth duck. Useful wherever water is used. For garages, livery stables, creameries and laundries. To protect clothing when stooping or bending, apron is provided with legs that hold it close to body. The strings are made long enough to tie in front. Apron measures 36x45 inches. Weight, about 2 pounds. 99R3521 Price. \$1.80 99R3522—Wash Apron, same as above, but without legs. Wt., about 1 1/2 lbs. Price. \$1.40

COIL LEATHER AXLE WASHERS. 14c 99R3207—Box of 5 coils (about 100 washers). State size. 1-in. Size. Wt., Abt. Per Box 6 oz. 16c 7/8 in. 10c 1 1/4 in. 8 oz. 21c 1 1/2 in. 11 oz. 25c 1 3/4 in. 12 oz. 30c

FULTON HANDY PLIERS. Length, 6 inches. 25c



99R5832—Wire cutter and pliers combined. Very strong and durable. State size. Length, 6 in. Wt., about 8 oz. Price. \$2.50 Length, 8 in. Wt., about 12 oz. Price. \$3.50 Length, 10 in. Wt., about 14 oz. Price. \$4.50

Spanish Grain \$265 Artificial Leather. AYARD

Used extensively by furniture manufacturers. Made on tough sateen back and will not crack or peel. Will outwear cheaper grades of genuine Spanish leather. Makes beautiful sofa pillow covers. Carried in stock in three shades, 50 inches wide. If interested, write for free samples of artificial leather. Weight, per yard, about 1 1/2 lbs.

99R7500—Green. Per yard. \$2.65 99R7501—Red. Per yard. \$2.65 99R7502—Brown. Per yard. \$2.65

99R3186—Gimp to match, in 25-yard rolls. Colors, green, red or brown. State color desired. Wt., abt. 5 oz. Per roll. \$3.50

99R3188—Buttons to match. Colors, green, red or brown. State color desired. Weight, about 4 oz. Price, per 100. \$1.40

99R3194—Nails to match. Colors, green, red or brown. State color desired. Weight, about 4 oz. Price, per 100. \$1.40

"BRONCO LEATHER." \$345 Exceptionally Strong \$370 Artificial Leather. Will Outwear Most Genuine Upholstering Leather. AYARD

Positively Will Not Crack or Peel. No Waste. Easily Applied. The Ideal Material for High Class Work. 50 inches Wide. Weight, per yard, about 1 1/2 pounds.

99R7506—Black. Leather Grain. Price, per yard. \$3.45 99R7507—Tan. Beautiful Spanish Grain. Price, per yard. \$3.70

95c Rubber and Enameled Carriage Cloth 70c

Black Face Rubber Drill. AYARD

Leather grain finish. Excellent and up for tops, cushions, full backs, curtains, aprons, boots, etc. Looks well and wears well; does not harden or crack and will outlast enameled cloth two to one. Prices below are for our best grade rubber drill.

99R7540—20-oz. white back, 50 in. wide. Shpg. wt., per yd., abt. 1 1/2 lbs. Per yd. \$9.50 99R7541—24-oz. white back, 50 in. wide. Shpg. wt., per yd., abt. 1 1/2 lbs. Per yd. \$1.10 99R7542—28-oz. white back, 50 in. wide. Shpg. wt., per yd., abt. 2 lbs. Per yd. \$1.25 99R7550—22-oz. dark back, 50 in. wide. Shpg. wt., per yd., abt. 1 1/2 lbs. Per yd. \$1.25 99R7551—28-oz. dark back, 50 in. wide. Shpg. wt., per yd., abt. 2 lbs. Per yd. \$1.45

Special Quality 32-Ounce Morocco Grain Rubber Drill. \$150 AYARD

This high grade heavy mercerized cloth is especially well adapted for automobile tops and particularly for Ford cars, being of the same quality and appearance as the top material furnished with this popular car. Black back. Width, 50 inches. Shipping weight, about 2 1/2 pounds.

99R7565—Price, per yard. \$1.50

DOUBLE TUBE STEEL SHAFT ENDS. 75c Buggy Size.



99R3197—Buggy size. Length, 29 in. Wt., about 4 lbs. Price, per pair. \$7.50 99R3198—Surrey or wagon size. Length, 29 in. Wt., about 4 lbs. Price, per pair. \$9.50

POLE STAY STRAPS. Same as used on our poles. Size, 3/4 x 12 inches. Weight, about 12 ounces. 99R3215—Per pair. \$7.50

NECKYOKER CENTER. 65c

Center is made of malleable iron and covered with harness leather, has adjustable band or sleeve which will fit any size neckyoke. Weight, about 1 lb. 99R3212 Price, each. \$6.50

SECURITY SINGLE TREE HOOKS. 30c

Malleable iron. H is a spring which positively prevents traces from coming off. State size. 99R3370 Diam., in. 1 1/2 1 3/4 1 1/2 1 3/4 1 1/2 1 3/4 Wt., abt., oz. 10 11 12 13 14 15 Price, pair. 22c 26c 30c 35c 40c

EXCELSIOR TRACE ATTACHMENTS. 9c

Trace cannot work off. Fits sword end singletree. 99R3219—Japanned. Weight, about 2 oz. Price, per pair, with rivets. \$9c 99R3220—Nickel plated. Weight, about 2 ounces. Price, per pair, with rivets. \$1.80

Morocco Grain \$245 Artificial Leather. AYARD

A splendid material to use in place of leather. Made on tough cloth back, will not peel or crack, is not affected by heat or cold and is embossed by the same process as genuine leather. Made on heavy colored back. If interested, write for free samples of Morocco Grain Artificial leather.

Extra quality, 50 inches wide. Weight, per yard, about 1 1/2 pounds.

99R7511—Black. Per yard. \$2.45 99R7512—Green. Per yard. \$2.45 99R7513—Maroon. Per yard. \$2.45 99R7514—Tan. Per yard. \$2.45 99R7515—Special for upholstery. Black, dull finish. Width, 50 inches; extra grade only. Wt., per yard, about 2 1/2 lbs. Price, per yard. \$2.45 Standard quality, 50 inches wide. Weight, per yard, about 1 pound.

99R7516—Black. Per yard. \$1.65 99R7517—Green. Per yard. \$1.65 99R7518—Maroon. Per yard. \$1.65 99R7519—Tan. Per yard. \$1.65

CARPET FOR BUGGIES. 99R7014 Width, 27 inches. Weight, per yard, about 1 1/2 pounds. Per yard. \$1.25

LINING NAILS. 99R189 Sizes: 6-ounce, 8-ounce, 10-ounce. Per 1/4-lb. package, about 75 nails. \$8c State size wanted.

CUSHION CLOTH. Width, 54 inches. 99R7008—Dark green, 12-ounce, all wool cushion cloth. Weight, per yard, about 1 pound. Per yard. \$3.50

HEAD LINING. Width, 54 inches. 99R7004—Black Union Cloth Head Lining, wool and cotton mixed. Weight, per yard, about 10 ounces. Per yard. \$85c

Black Enameled Carriage Cloth. AYARD

A low priced material of attractive appearance which may be used for tops, cushions, curtains, etc. Weight, per yard, about 1 1/2 pounds.

99R7555—Leather Grain Muslin, white back, 50 inches wide. Per yard. \$7.00 99R7556—Leather Grain Drill, white back, 50 inches wide. Per yard. \$9.50 99R7557—Leather Grain Drill, white back, 50 inches wide. Per yard. \$1.20 99R7558—Glazed Drill, patent leather finish, white back, 50 in. wide. Per yard. \$85c 99R7559—Leather Grain Duck, white back, 50 inches wide. Per yard. \$1.10 99R7560—Leather Grain Duck, dark back, 50 inches wide. Per yard. \$1.25 99R7561—Drill, patent leather finish, tan back, 45 in. wide. Per yard. \$1.05

Leakproof Double Fabric Auto Top Material. \$210 AYARD

A durable rubber treated material possessing remarkable weather resisting properties, is suitable for the highest class work.

The high grade drab drill back is combined with the outer fabric by a thoroughly waterproof coating of rubber. The outer rubber surface is then finished in imitation of long grain leather. This cloth will still remain waterproof even when outer surface is worn away after long service. Width, 54 inches. Weight, 2 1/2 pounds per lineal yard. 99R7570—Price, per yard. \$210

ANTI-RATTLE AND BOLT HOLDER. Made of cold rolled steel. Prevents rattling of shafts or losing shaft bolt. Weight, about 2 oz. 99R3201—Per pair. \$10c 10c

28c PAIR 3/4-in. Pin. ANTI-RATTLE AND QUICK SHIFTERS. Prevents shafts from rattling. Couplings not furnished. Weight, about 12 ounces. 99R3203 Price, per pair, with 3/4-inch pin. \$28c 99R3204 Price, per pair, with 3/4-inch pin. \$31c

HANDY SPOKE AND RIM REPAIRER. 99R3251—State size. Size Rim. Wt., Price, Each 1/2 in. 2 oz. 12c 3/4 in. 3 oz. 12c 1 in. 3 oz. 12c 1 1/4 in. 3 oz. 12c

OIL TROUGH. \$1.85 For oiling wheels up to 4 inches wide with boiling oil. Fill the trough with oil, saturate the mineral wool with kerosene (coal oil), place it under the trough and apply a match to revolve the wheel in the trough. Shipping weight, about 8 pounds. 99R5350—Price. \$1.85

CAST IRON OIL TROUGH. Oils wheels up to 4 inches wide. Prevents tires becoming loose. Shpg. wt., about 11 lbs. 99R5349—Price. \$95c

12c 100. METALINE NAILS. Packages of 100 nails. Colors, black, green, m. a. roon or tan. State color. Weight, about 4 ounces. 99R3193 Per package. \$12c

TRIMMERS' GIMP. 25 Yds. In 25-yard rolls. Colors, black, green, maroon or tan. State color. Width, 1/2 in. Wt., about 6 oz. 99R3195 Per roll. \$30c

GREEN CLOTH COVERED TACKS. In packages of 1 gross. State size. 99R3191 Sizes, 6 oz. 8 oz. 10 oz. 12 oz. 14 oz. 16 oz. 18 oz. 20 oz. 22 oz. 24 oz. 26 oz. 28 oz. 30 oz. 32 oz. 34 oz. 36 oz. 38 oz. 40 oz. 42 oz. 44 oz. 46 oz. 48 oz. 50 oz. 52 oz. 54 oz. 56 oz. 58 oz. 60 oz. 62 oz. 64 oz. 66 oz. 68 oz. 70 oz. 72 oz. 74 oz. 76 oz. 78 oz. 80 oz. 82 oz. 84 oz. 86 oz. 88 oz. 90 oz. 92 oz. 94 oz. 96 oz. 98 oz. 100 oz. Price, per package. \$26c

26c Per Gross. Wt., abt. 3 oz. 4 oz. 4 oz. Per package. \$26c

TUFTING BUTTONS. 99R3183—Japanned. Wt., per gross, abt. 6 oz. Price. \$1.50 99R3185—Green cloth covered. Wt., per gross, abt. 6 oz. Price. \$1.50 99R3187—Black artificial leather covered. Wt., per gross, abt. 6 oz. Price. \$3.50

CURTAIN LIGHTS. 99R3133 Glass, about 1 1/4 x 4 inches. Weight, about 2 ounces. Price. \$3c 99R3134—Glass, about 1 1/2 x 5 inches. Weight, about 2 ounces. Price. \$4c

99R3137 Glass, about 2 3/4 x 4 1/2 inches. Weight, about 2 ounces. Price. \$9c

KNOB EYELETS. 10c 2 Doz. 99R3150 Weight, abt. 3 oz. Per package of two doz. \$10c

CARRIAGE KNOBS. One dozen in package. 99R3164 To rivet. Wt., about 4 oz. Per package. \$9c

99R3163 To drive. Wt., about 2 oz. Package of 1 dozen. \$5c

99R3165 To screw. Wt., about 1 oz. Per package of 1 dozen. \$10c

99R3166 To screw. Wt., about 1 oz. Per package of 1 dozen. \$10c

CURTAIN FASTENERS. One dozen in package. 99R3158 Weight, about 3 oz. Per package. \$20c

ROLL UP STRAPS. 99R3160 Patent leather. Wt., about 1 ounce. Per pair. \$8c

SPRING BOW RESTS. Prevent breaking back bows when top drops hard. Spring made of steel wire; sleeve which holds bow covered with leather. Weight, about 8 oz. A PAIR. 99R3181—Per pair. \$40c

TOP PROP NUTS. 14c BLACK. 99R3171 1 1/2-inch for 3/4-inch bolts. Sold in sets of eight. Weight, about 5 ounces. Black finish. Per set. \$1.40 99R3173 Nickel plated. Price, per set. \$24c

PROP BLOCK RUBBER. Good quality 3/4-inch hole. In pieces 2 1/2 in. long. Wt., about 4 oz. 99R3175 Price for two pieces. \$7c

TUBULAR STEEL BOW SOCKETS. 99R3140—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3141—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

4-BOW Standard quality. Length, 29 inches. In ordering parts of set state if right or left hand is wanted. 99R3145—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3146—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3147—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3148—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3149—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3150—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3151—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3152—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3153—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3154—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3155—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3156—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3157—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3158—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3159—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3160—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3161—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3162—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3163—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3164—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3165—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3166—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3167—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3168—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3169—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3170—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3171—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3172—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3173—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3174—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3175—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3176—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3177—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3178—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3179—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3180—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3181—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3182—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3183—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3184—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3185—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3186—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3187—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3188—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3189—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3190—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3191—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3192—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3193—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3194—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3195—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3196—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3197—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3198—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3199—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3200—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3201—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3202—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3203—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3204—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3205—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3206—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3207—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3208—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3209—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3210—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3211—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3212—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3213—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3214—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3215—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3216—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3217—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3218—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3219—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3220—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3221—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3222—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3223—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3224—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3225—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3226—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3227—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3228—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3229—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3230—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3231—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3232—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3233—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3234—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3235—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3236—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3237—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3238—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3239—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3240—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3241—Four-bow. Weight, about 10 pounds. Price, per set. \$1.95 99R3242—Three-bow. Weight, about 8 pounds. Price, per set. \$1.55 99R3243—Back Socket. Weight, about 1 1/2 pounds. Price, each. \$42c 99R3244—Front Socket. Weight, about 1 1/2 pounds. Price, each. \$34c

99R3245—Four

"POSITIVE-FIT" READY TO WEAR HORSESHOES



OUR
PRICES
SAVE
YOU
MONEY.

PER PAIR
OF FRONTS,
TWO SHOES

35c
AND UP.

STATE
SIZE



PER PAIR
OF HINDS,
TWO SHOES

35c
AND UP.



How to
Measure for
Horseshoes.
Width,
(A to B).
Length,
(C to D).
Be sure to
state size
wanted when
ordering.



PER PAIR OF
FRONTS,
TWO SHOES

60c
AND UP.

STATE
SIZE



PER PAIR OF
HINDS,
TWO SHOES

60c
AND UP.

SUMMER SHOES—Including Nails.

9R3332—Front Shoes.
9R3333—Hind Shoes.

Size	Weight, per Pair, About	Size of Shoe, Width	Shoe, About, Length	Price, per Pair, In- cluding Nails
No. 1	2 1/4 lbs.	4 1/4 in.	5 1/4 in.	35c
No. 2	2 3/4 lbs.	4 1/2 in.	5 1/2 in.	40c
No. 3	2 3/4 lbs.	4 3/4 in.	5 1/2 in.	45c
No. 4	3 1/4 lbs.	5 1/4 in.	6 1/4 in.	50c
No. 5	4 1/4 lbs.	5 1/2 in.	6 1/4 in.	55c
No. 6	5 lbs.	6 in.	7 in.	60c
No. 7	5 1/2 lbs.	6 1/4 in.	7 1/4 in.	65c

NO HEATING—NO WELDING —SIMPLY NAIL THEM ON.

Made of malleable iron. A finished shoe of uniform shape and exceptional toughness.

The texture of these shoes is such that they may be reshaped cold, no heating necessary. "Positive-Fit" Horseshoes save three-quarters of the time now required to make and fit other shoes and are quickly and easily nailed on. No expert skill required. SATISFACTION GUARANTEED.

WINTER SHOES—Including Calks and Nails.

9R3336—Front Shoes.
9R3337—Hind Shoes.

Size	Weight, per Pair, About	Size of Calk	Size of Shoe, Width	Shoe, About, Length	Price, per Pair, In- cluding Calks and Nails
No. 1	2 1/4 lbs.	3/4 in.	4 1/4 in.	5 1/4 in.	60c
No. 2	3 lbs.	7/8 in.	4 1/2 in.	5 1/2 in.	65c
No. 3	3 1/4 lbs.	1 in.	4 3/4 in.	5 1/2 in.	70c
No. 4	4 lbs.	1 1/4 in.	5 1/4 in.	6 1/4 in.	75c
No. 5	4 1/2 lbs.	1 1/2 in.	5 1/2 in.	6 1/4 in.	80c
No. 6	5 lbs.	1 3/4 in.	6 in.	7 in.	85c
No. 7	5 1/2 lbs.	2 in.	6 1/4 in.	7 1/4 in.	90c



Extra Light Drop Forged Shoes.

FOR LIGHT DRIVING AND RIDING HORSES.

A high grade, light weight, finished, drop forged shoe that will appeal to owners of driving horses. Furnished complete with screw calks and nails all ready to nail on. Can be reshaped cold if necessary. When ordering state size wanted.

9R3338—Front Shoes.

Size	Wt. per Pair, About	Size of Calk	Size of Shoe, Width	Shoe, About, Length	Price, per Pair, Including Nails and Calks
No. 1	1 3/4 lbs.	3/4 in.	4 1/4 in.	5 1/4 in.	60c
No. 2	2 lbs.	7/8 in.	4 1/2 in.	5 1/2 in.	65c
No. 3	2 1/4 lbs.	1 in.	4 3/4 in.	5 1/2 in.	70c
No. 4	2 3/4 lbs.	1 1/4 in.	5 1/4 in.	6 1/4 in.	75c
No. 5	3 1/4 lbs.	1 1/2 in.	5 1/2 in.	6 1/4 in.	80c



9R3339—Hind Shoes.

Size	Wt. per Pair, About	Size of Calk	Size of Shoe, Width	Shoe, About, Length	Price, per Pair, Including Nails and Calks
No. 1	1 3/4 lbs.	3/4 in.	4 1/4 in.	5 1/4 in.	60c
No. 2	2 lbs.	7/8 in.	4 1/2 in.	5 1/2 in.	65c
No. 3	2 1/4 lbs.	1 in.	4 3/4 in.	5 1/2 in.	70c
No. 4	2 3/4 lbs.	1 1/4 in.	5 1/4 in.	6 1/4 in.	75c
No. 5	3 1/4 lbs.	1 1/2 in.	5 1/2 in.	6 1/4 in.	80c



90c
AND UP
FOR 50.

"Sure-Foot" Horseshoe Screw Calks.

With Improved Exposed Hardened Steel Centers.

Improved "Sure-Foot" Calks have exposed hardened steel centers. (Try them with a file!) Hardened centers are welded in tough soft steel outside stock, making it impossible for them to jar loose or fall out. Threads are deep and well cut.

THEY SAVE YOUR ANIMALS AND SAVE YOU MONEY.

Note our remarkably low prices.

Size, Inch	Wt., per 50, About	Price, per Pkg. of 50
9R3320 3/4	1 1/4 lbs.	\$0.90
9R3321 7/8	1 1/4 lbs.	.95
9R3322 1	2 1/4 lbs.	1.00
9R3323 1 1/4	3 1/4 lbs.	1.05
9R3324 1 1/2	4 1/4 lbs.	1.10

Note—Screw calks are sold only in full packages of 50 calks of any one size. We cannot break packages.

41c 1/2-Inch Round Shank Drill Bits.

Size, Inch	Wt., per 50, About	Price, each
9R5633 1/8	1/4 lb.	41c
9R5634 3/16	3/8 lb.	47c
9R5635 1/4	1/2 lb.	53c
9R5636 5/16	3/4 lb.	59c
9R5637 3/8	1 lb.	67c

Standard Calk Taps.

Size, inch	Wt., per 50, About	Price, each
9R5688 3/8	1/2 lb.	38c
9R5689 1/2	3/4 lb.	42c
9R5690 5/8	1 lb.	48c
9R5691 3/4	1 1/4 lbs.	54c
9R5692 7/8	1 1/2 lbs.	60c

Calk Welding Dies.

\$120

AND

\$130

Self cleaning. For welding sharp
 too calks, 3/4 inches wide; cast
 steel, 7/8-inch square steel shank.

9R5782—To take sizes 0, 1,
 2 or 3. Weight, about 5 pounds.

Price.....**\$1.20**

9R5783—To take sizes 4, 5
 or 6. Weight, about 5 1/2 pounds.

Price.....**\$1.30**

Crandall's
Simplex
Adjustable Seat.

Quick Cut Grindstone

Anti-Friction
Ball Bearings



\$4.90

Angle
Steel
Frame.

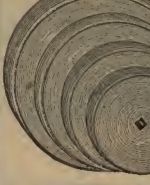
Safe Delivery and
Complete Satisfaction
Guaranteed.

Our grindstones cut fast, are well made and will give years of satisfactory service. High quality free cutting stone. Frame is rigid and stands solid when in use. Ball bearings insure easy and steady running. Complete with water can, as illustrated. Shipping weight, about 90 pounds.

99R1190—Our price.....\$4.90

Berea Unmounted Grindstones. \$1.35

Quick cutting well finished grindstones. Will not glaze. State size wanted. No. 3



No.	Diam., Inches.	Wt., Lbs.	Price
1	16	40	\$0.90
2	18	50	1.15
3	20	60	1.35
4	22	80	1.80
5	24	100	2.20
6	26	120	2.70
7	28	150	3.40
8	29	175	3.95

Ball Bearing Grindstone Fixture. \$1.05

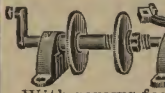
For Mounting
Grindstone on
Wood Frame.

Support stones
from 2 to 2 1/2
inches thick.

Furnished complete, as illustrated, with screws for attaching. Wt., about 6 lbs.

9R5726—Price.....\$1.05

Roller Bearing Grindstone



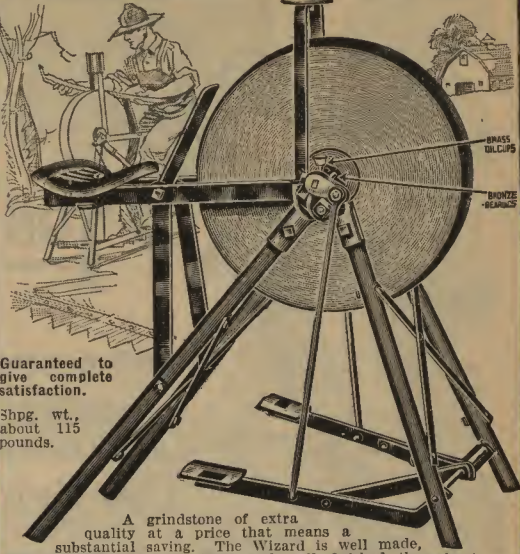
Fixtures.

Adjustable for different thickness stones. Give length.

Length, inches.	15	17	19	21
For stone, lbs.	40	60	80	100
Weight, about, lbs.	6	6	6	7
Price, per set.	65c	75c	85c	95c

Our Wizard Tubular Frame Grindstone.

Our Price, \$6.95



Guaranteed to give complete satisfaction.

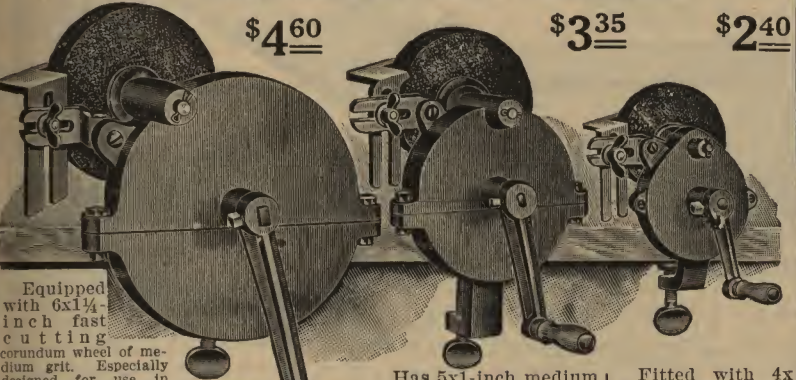
Shpg. wt., about 115 pounds.

A grindstone of extra quality at a price that means a substantial saving. The Wizard is well made, easy running, carefully fitted and well finished throughout.

DESCRIPTION.

Heavy Tubular Steel Frame.	Four Genuine Bronze Bearings.	Adjustable Seat With Guard.
Large Size Extra Quality Free Cutting Stone.	Two Brass Oil Cups.	Large Water Can.
99R1191—Price.....		\$6.95

HIGH POWER TOOL GRINDERS



\$4.60

\$3.35

\$2.40

Equipped with 6x1 1/4 inch fast cutting corundum wheel of medium grit. Especially designed for use in blacksmith, machine or woodworking shops, automobile garages, railway shops, mills, farms and all places where a power driven machine is not available. The wheel attains high speed and great momentum, as the power applied to the handle is transmitted to the wheel with the least possible amount of friction. Sufficient for any use to which a hand driven machine should be put. Recommended as a tool grinder of real merit and great capacity. Axle for wheel, 1 inch in diameter. Shipping weight, about 24 pounds.

99R5538—Price.....\$4.60

Has 5x1-inch medium grit corundum wheel of high grade. Intended for grinding tools of all kinds, such as chisels, plane irons, drills, knives, etc. Suitable for general shop work and household use. Complete with tool rest and clamp for attaching machine to bench or table. Axle for wheel, 1 inch in diameter. Shipping weight, about 11 pounds.

99R5537—Price.....\$3.35

Fitted with 4x 3/4-inch fast cutting corundum wheel. Suitable for grinding small tools, shears, knives, etc. Intended for use in the home or office. Readily attached to table or bench. Axle for wheel, 3/4 inch in diameter. Shpg. wt., about 5 lbs.

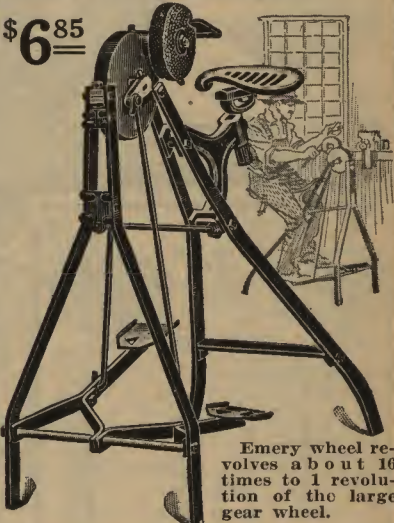
99R5536—Price.....\$2.40

HIGH POWER TOOL GRINDER.

Mounted on Steel Frame. \$6.85

A tool every blacksmith, mechanic and farmer should have. Simple and practical in construction, and embodies strength, durability, power and speed. The spindle and pinion of the grinder head are turned and milled from one piece of steel, the larger gear is machine cut and all are enclosed in tight casing, insuring long wear, as dust and dirt from the wheel are excluded. Tool rest is adjustable. Frame is steel and is strongly and substantially put together. Seat is well braced and adjustable to different heights. Equipped with a 6x1 1/4-inch fast cutting corundum wheel of medium grit. Guaranteed to give entire satisfaction. Shipping weight, about 65 pounds.

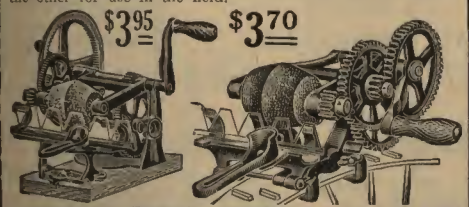
99R5540—Price.....\$6.85



Emery wheel revolves about 16 times to 1 revolution of the large gear wheel.

Kenwood High Grade Sickle Grinders.

A strong, simple and compact sickle grinder. Is entirely automatic in its grinding movements, the beveled stone moves up and down against the sections, grinding them even and true. Does not grind at any one point long enough to heat or draw temper. Can be adjusted to grind from point to heel or to grind only down to the knife bar. Knife holder works with a lever handle which makes it possible to easily and quickly change the position of the knife for grinding the next section. Made in two styles, one for bench use, the other for use in the field.



\$3.95

\$3.70

99R5532—Kenwood Sickle Grinder for fastening to bench. Shpg. wt. abt. 25 lbs. \$3.95

99R5533—Kenwood Sickle Grinder for fastening to mower wheel. Shipping weight, about 20 pounds. Price.....\$3.70

99R5954—Extra Stones for above grinders. Weight, about 2 pounds. Price, each.....75c

Beveled Edge Mower Knife and Sickle File.

A convenient file to carry in the tool box for sharpening sickle knives. This file makes a corrugated cut which prevents the grass from sliding off the section when in operation. The thin files enables the user to get into the corners of the bars. Fitted with positive grip file handle complete as illustrated. Length, 10 inches. Weight, about 8 ounces.

9R5706—Price, each.....40c

RURAL FREE DELIVERY MAIL BOXES.

Conform to Specifications Issued by the Postmaster General.

For use on all rural and star route service. Well made of heavy galvanized steel, finished on the outside with weatherproof aluminum bronze paint, except signal flag, which is red. When requested, we stencil customer's name on both sides of box and send cardboard stencil without extra charge. This stencil will be found convenient for marking bags, implements, etc., for identification.



Large size for parcel post, packages as well as ordinary mail. Measures 23 1/2 inches long, 11 inches wide and 14 inches high, inside measurements. Has letter drop in door and coin holder. Shipping weight, about 20 pounds.

99R2846—Price, each.....\$2.95

For ordinary mail. Measures 13 1/2 inches long, 8 1/4 inches wide and 7 1/2 inches high, inside measurements. Has coin holder. Shipping wt., about 8 lbs.

99R2845—Price, each.....\$1.30

R. F. D. Mail Box Lock. 48c. Rustproof cast brass, self locking. Height of lock, including shackle, 2 inches. Made especially for R. F. D. mail boxes. Price includes two regular keys.

9R4346—Without chain. Weight, about 4 ounces. Price, each.....39c

9R4347—With chain. Weight, about 5 ounces. Price, each.....48c

House Mail Box.

Made of sheet iron. Has hinged slot cover and top. Size, 5x12 inches. Shipping weight, about 7 pounds. Lock not included.

99R2841—Price, with screws for attaching.....98c

House Mail Box.

Made of cast iron. Has hinged slot cover and top. Size, 5x12 inches. Shipping weight, about 7 pounds. Lock not included.

99R2840—Price, with screws for attaching.....65c

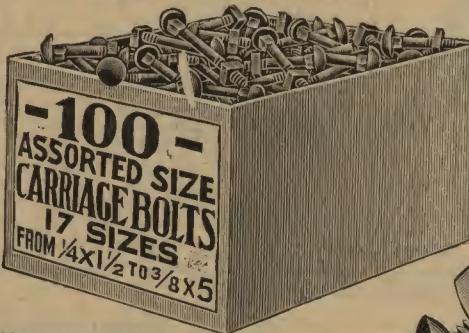
\$106 FOR 100 Carriage Bolts

17 ASSORTED SIZES

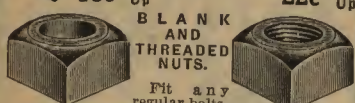
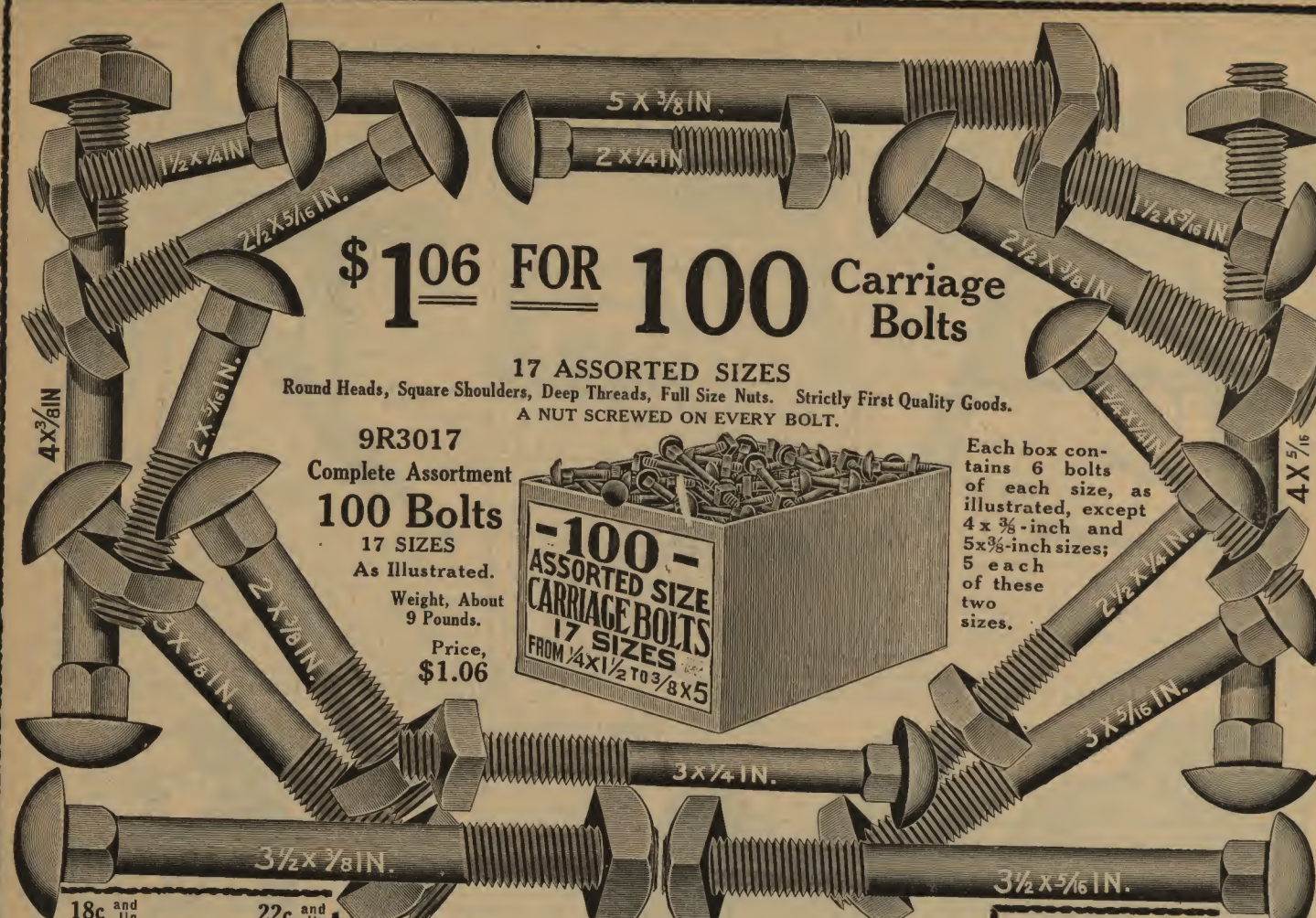
Round Heads, Square Shoulders, Deep Threads, Full Size Nuts. Strictly First Quality Goods.
A NUT SCREWED ON EVERY BOLT.

9R3017
Complete Assortment
100 Bolts
17 SIZES
As Illustrated.

Weight, About
9 Pounds.
Price,
\$1.06



Each box contains 6 bolts of each size, as illustrated, except 4 x 3/8-inch and 5 x 3/8-inch sizes; 5 each of these two sizes.



BLANK AND THREADED NUTS.

State size wanted. 9R3068 To fit Wt. Abt. Pkg. Bolt. per Pkg. Cont'ns. Blank Nuts. 9R3069 Threaded Nuts. Per Pkg.

Size, In. Lbs.	Abt.	Per Pkg.	Per Pkg.
1/4	1	66	20c
5-16	1	40	18c
3/8	2	50	27c
7-16	2	38	25c
1/2	2	23	23c
9-16	3	19	32c
5/8	6	21	46c
3/4	5	13	44c
1	5	10	42c

5 LBS. ASSORTED THREADED NUTS.
To fit 1/4, 5/16, 3/8 and 1/2-inch carriage and machine bolts. Necessary for every farmer. Gives you just the size nut you need for repair work.
9R3064—Price...78c

PLOW BOLTS.
We furnish only styles of heads and lengths as listed below. State length.

Length.	Wt.	Abt.	Doz.	Price
1 1/4 in.	3 lb.	15c	1 1/4 in.	1 1/4 in.
1 1/2 in.	1 lb.	18c	1 1/2 in.	1 lb.
1 3/4 in.	1 lb.	21c	1 3/4 in.	1 lb.
2 in.	1 1/4 lbs.	26c	2 in.	1 1/4 lbs.

9R3037 Key Head Pattern. 5/8-inch diameter.
9R3038 Round Head Square Shoulder Pattern. 5/8-inch diam.

28c Per Pkg. Wagon Box and Oval Head Rivets.
Size, 1/4 inch in diameter. Either style head same price. State length when ordering.

Length, inches.	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Package contains, about	110	90	80	70	60	55	50	45
Weight of package, lbs.	2	2	2	2	2	2	2	2
Price, per package.	28c	28c	28c	28c	28c	28c	28c	28c

9R3087—Riveting Burrs for 1/4-inch rivets. About 440 in a package. Price, per 2-pound package...43c

5 LBS. ASSORTED WAGON BOX AND OVAL HEAD RIVETS WITH RIVETING BURRS.
Convenient assortment 1/4-inch wagon box and oval head rivets. Lengths, 1 1/4, 2, 2 1/4 and 3 inches.
9R3081—Price...62c

CARRIAGE BOLTS

State Length When Ordering.

9R3001—Diameter, 1/4 inch.	1 1/2	2	2 1/2	3
Length, inches....	1	2	2	3
Price, per pkg. of 25.	18c	21c	23c	25c
Length, inches....	3 1/2	4	4 1/2	5
Price, per pkg. of 25.	29c	31c	34c	37c

9R3003—Diameter, 3/8 inch.	1 1/2	2	2 1/2	3
Length, inches....	1	2	2	3
Price, per pkg. of 25.	36c	39c	42c	45c
Length, inches....	3 1/2	4	4 1/2	5
Price, per pkg. of 25.	48c	52c	56c	60c
Length, inches....	6	8	10	12
Price, per pkg. of 25.	68c	82c	98c	

STAMPED STEEL WASHERS.
21c to 60c Per Pkg.
9R3072
State size wanted.
For bolt, inch.... 1/4 3/8 1/2 3/4 5/8 3/4 1/2
Pkg. contains about, 400 320 225 210 75
Wt., about, lbs.... 1 2 3 3 3
Price, per package. 21c 34c 32c 44c 42c
For bolt, inch.... 5/8 3/4 1/2 3/4 1/2
Package contains about.... 40 45 40 30
Weight, about, lbs.... 3 5 5 5
Price, per package.... 39c 60c 55c 50c

5 POUNDS ASSORTED STAMPED STEEL WASHERS.
To fit 1/4, 5/16, 3/8 and 1/2-inch carriage and machine bolts. A handy assortment for farmers, blacksmiths, etc.
9R3074—Price....60c

45 ASSORTED LOCK WASHERS.
Assortment comprises about forty-five washers to fit bolts from 1/8 in. to 1/2 inch diameter. Wt., about 5 oz.
9R3077—Price...27c

50 Assorted Carriage Bolts
14 SIZES
1/4 x 1 1/2 to 3/8 x 5 Inches.
Strictly First Quality Goods

58c
Size, 1/4 inch in diameter. Either style head same price. State length when ordering.

Length, inches.	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Package contains, about	110	90	80	70	60	55	50	45
Weight of package, lbs.	2	2	2	2	2	2	2	2
Price, per package.	28c	28c	28c	28c	28c	28c	28c	28c

9R3087—Riveting Burrs for 1/4-inch rivets. About 440 in a package. Price, per 2-pound package...43c

5 LBS. ASSORTED WAGON BOX AND OVAL HEAD RIVETS WITH RIVETING BURRS.
Convenient assortment 1/4-inch wagon box and oval head rivets. Lengths, 1 1/4, 2, 2 1/4 and 3 inches.
9R3081—Price...62c

WAGON BOX AND OVAL HEAD RIVETS.
16 LBS. ASSORTED IRON RIVETS AND BURRS.
2.40
16 lbs. assorted wagon box and oval head rivets 1/4-in. diameter and 1 1/2 to 3 in. long, and 2 lbs. riveting burrs.
9R3089—Price...\$2.40

FLUTED TIRE AND 38c to 86c Per 100 IRONWORK BOLTS.

State Length When Ordering.

9R3002—Diameter, 5/8 inch.	1 1/2	2	2 1/2	3	3 1/2
Length, inches....	1	2	2	3	3
Price, per pkg. of 25.	28c	31c	33c	35c	37c
Length, inches....	4	4 1/2	5	6	8
Price, per pkg. of 25.	39c	41c	45c	50c	64c

9R3004—Diameter, 3/4 inch.	1 1/2	2	2 1/2	3	3 1/2
Length, inches....	1	2	2	3	4
Price, per pkg. of 25.	72c	76c	81c	86c	92c
L'th. in. 4 1/2 5 6 7 8					
Pkg. of 25.	\$1.07	\$1.20	\$1.33	\$1.46	
Length, in. 9 10 12 16					
Pkg. of 25.	\$1.57	\$1.72	\$1.97	\$2.40	

9R3048—Diameter, 5/8 inch.
Length, inches.... 1 1/4 1 1/2 2 2 1/2 3
Price, per 100.... 38c 42c 49c 56c 63c

9R3049—Diameter, 3/4 inch.
Length, inches.... 1 1/4 2 2 1/2 2 1/2 3
Price, per 100.... 62c 67c 72c 78c 86c

50 Assorted Carriage Bolts
14 SIZES
1/4 x 1 1/2 to 3/8 x 5 Inches.
Strictly First Quality Goods

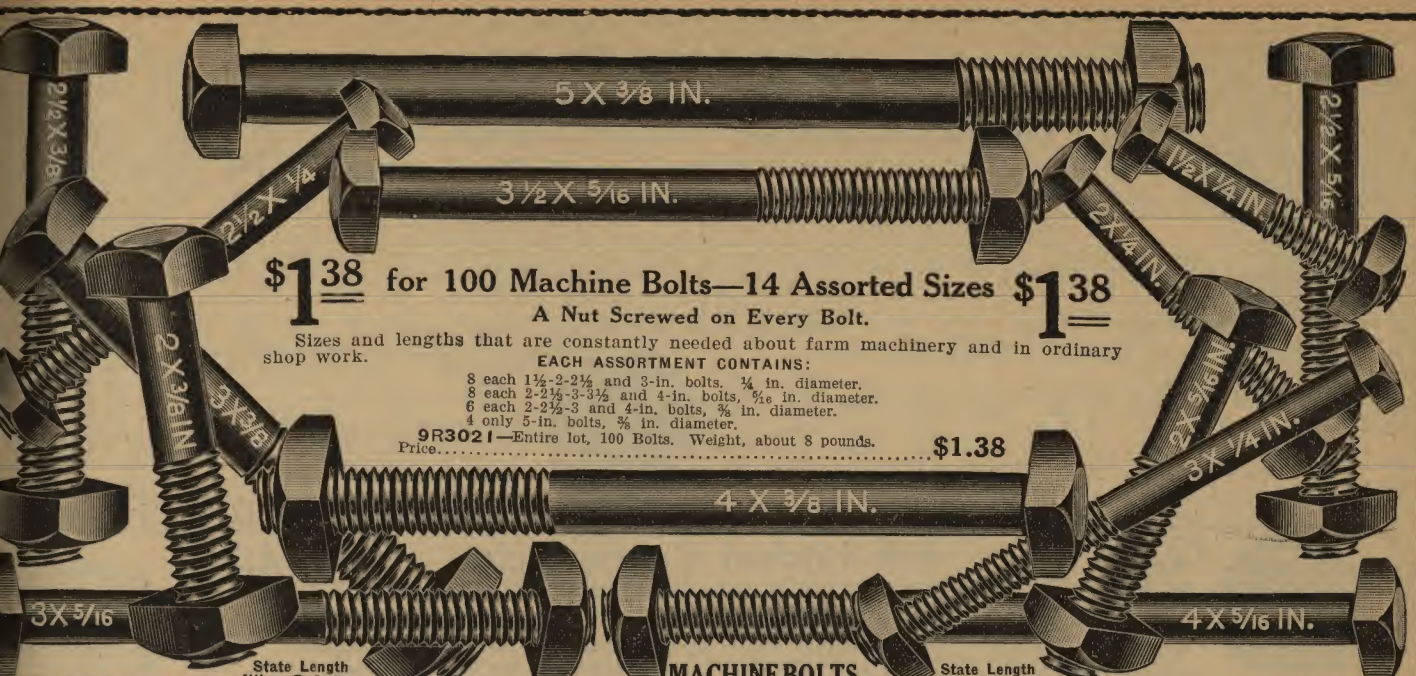
58c
Size, 1/4 inch in diameter. Either style head same price. State length when ordering.

Length, inches.	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Package contains, about	110	90	80	70	60	55	50	45
Weight of package, lbs.	2	2	2	2	2	2	2	2
Price, per package.	28c	28c	28c	28c	28c	28c	28c	28c

9R3087—Riveting Burrs for 1/4-inch rivets. About 440 in a package. Price, per 2-pound package...43c

9R3018—Complete assortment, as illustrated. Weight, about 5 pounds. Price...58c

5 LBS. ASSORTED WAGON BOX AND OVAL HEAD RIVETS WITH RIVETING BURRS.
Convenient assortment 1/4-inch wagon box and oval head rivets. Lengths, 1 1/4, 2, 2 1/4 and 3 inches.
9R3081—Price...62c



\$1.38 for 100 Machine Bolts—14 Assorted Sizes \$1.38
A Nut Screwed on Every Bolt.

Sizes and lengths that are constantly needed about farm machinery and in ordinary shop work.

EACH ASSORTMENT CONTAINS:

- 8 each 1 1/2-2 1/2 and 3-in. bolts, 3/4 in. diameter.
- 8 each 2 1/2-3 1/2 and 4-in. bolts, 1/2 in. diameter.
- 6 each 2 1/2-3 and 4-in. bolts, 3/8 in. diameter.
- 4 only 5-in. bolts, 3/8 in. diameter.

9R3021—Entire lot, 100 Bolts. Weight, about 8 pounds. \$1.38
 Price.....

395 Fulton Standard Bolt Clippers \$4.90
 Bolt Clippers



necessary tool about the well equipped
 Needed dozens of times each day for
 bolts, rods, chains, etc. Our bolt
 clippers have all the latest improvements
 are made of high grade material
 throughout. Jaws are of high grade steel
 are properly tempered. Fitted with
 bumper bumpers between the handles.

No.	Cutting Bolts	Abt. Lbs.	Price
5803	0 1/2 in. or less	4	\$2.95
5804	1 1/2 in. or less	6	3.40
5802	2 1/2 in. or less	10	3.95
5803	3 1/2 in. or less	14	4.90

100 ASSORTED SPRING COTTERS.

28c
 From 1 inch to 2 1/2 in.
 long. Weight, about 2 lbs.
9R3095
 Price.....28c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

100 ASSORTED STOVE BOLTS.

55c
 From 3/8 x 1 1/2
 to 1 1/2 x 3 in.
 Wt. abt. 2 lbs.
9R3060
 Price.....55c

MACHINE BOLTS.

State Length When Ordering.	9R3009—Diameter, 1/4 inch.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	8
Length, inches.....	29c	32c	34c	36c	41c	48c	56c				
Price, per package of 25.....	29c	32c	34c	36c	41c	48c	56c				
State Length When Ordering.	9R3010—Diameter, 3/8 inch.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	8
Length, inches.....	35c	38c	41c	44c	50c	61c	72c				
Price, per package of 25.....	35c	38c	41c	44c	50c	61c	72c				
State Length When Ordering.	9R3011—Diameter, 1/2 inch.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	8
Length, inches.....	42c	46c	49c	52c	56c	60c	66c	72c	83c	96c	
Price, per package of 25.....	42c	46c	49c	52c	56c	60c	66c	72c	83c	96c	
State Length When Ordering.	9R3012—Diameter, 5/8 inch.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	8
Length, inches.....	74c	79c	85c	92c	\$1.00	\$1.08	\$1.16	\$1.24			
Price, per package of 25.....	74c	79c	85c	92c	\$1.00	\$1.08	\$1.16	\$1.24			
Price, per package of 25.....	\$1.36	\$1.48	\$1.60	\$1.80	\$2.00	\$2.40	\$2.80				

"VAN" EXPANSIVE SHELLS.

For solidly fastening gasoline engines, cream separators, machinery, etc., to concrete floors. Also used for permanently fastening pipes, fixtures, hangers, etc., to brick, stone or tile work. State size.

NOTE—To determine proper length bolts required, add length of shell to thickness of material to be fastened. Prices do not include bolts.

Size of bolt.	For Stove Bolts.	For Machine Bolts.
Length, inches.....	1 1/2 in. 1 in. 2 oz.	1 1/2 in. 1 1/2 in. 2 in. 2 oz. 3 oz. 4 oz.
Weight, about.....	15c	20c 25c 35c
Size stone drill to use.....	1/2 in.	1/2 in. 3/4 in. 1 in.
Weight, about.....	4 oz.	6 oz. 8 oz. 1 lb.
Price, per set of 4 shells.....	30c	35c 40c 45c

9R5911—Price for stonedrill, each.

10c and Up.

ROUND AND FLAT HEAD STOVE BOLTS.

Pkg. of 25	10c and Up.	12c and Up
9R3052—Diameter, 3/8 inch.	10c	12c
Length, in.....	1 1/2 2 1/2 3 1/2 4 1/2 5 1/2 6 1/2 7 1/2 8 1/2 9 1/2 10 1/2 11 1/2 12 1/2 13 1/2 14 1/2 15 1/2 16 1/2 17 1/2 18 1/2 19 1/2 20 1/2 21 1/2 22 1/2 23 1/2 24 1/2 25 1/2 26 1/2 27 1/2 28 1/2 29 1/2 30 1/2 31 1/2 32 1/2 33 1/2 34 1/2 35 1/2 36 1/2 37 1/2 38 1/2 39 1/2 40 1/2 41 1/2 42 1/2 43 1/2 44 1/2 45 1/2 46 1/2 47 1/2 48 1/2 49 1/2 50 1/2 51 1/2 52 1/2 53 1/2 54 1/2 55 1/2 56 1/2 57 1/2 58 1/2 59 1/2 60 1/2 61 1/2 62 1/2 63 1/2 64 1/2 65 1/2 66 1/2 67 1/2 68 1/2 69 1/2 70 1/2 71 1/2 72 1/2 73 1/2 74 1/2 75 1/2 76 1/2 77 1/2 78 1/2 79 1/2 80 1/2 81 1/2 82 1/2 83 1/2 84 1/2 85 1/2 86 1/2 87 1/2 88 1/2 89 1/2 90 1/2 91 1/2 92 1/2 93 1/2 94 1/2 95 1/2 96 1/2 97 1/2 98 1/2 99 1/2 100 1/2	12c
Per pkg. of 25.....	10c 11c 12c 13c	12c
9R3053—Diameter, 1/2 inch.	14c 15c 16c 17c 18c	
Length, inches.....	1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 10 1/2 11 11 1/2 12 12 1/2 13 13 1/2 14 14 1/2 15 15 1/2 16 16 1/2 17 17 1/2 18 18 1/2 19 19 1/2 20 20 1/2 21 21 1/2 22 22 1/2 23 23 1/2 24 24 1/2 25 25 1/2 26 26 1/2 27 27 1/2 28 28 1/2 29 29 1/2 30 30 1/2 31 31 1/2 32 32 1/2 33 33 1/2 34 34 1/2 35 35 1/2 36 36 1/2 37 37 1/2 38 38 1/2 39 39 1/2 40 40 1/2 41 41 1/2 42 42 1/2 43 43 1/2 44 44 1/2 45 45 1/2 46 46 1/2 47 47 1/2 48 48 1/2 49 49 1/2 50 50 1/2 51 51 1/2 52 52 1/2 53 53 1/2 54 54 1/2 55 55 1/2 56 56 1/2 57 57 1/2 58 58 1/2 59 59 1/2 60 60 1/2 61 61 1/2 62 62 1/2 63 63 1/2 64 64 1/2 65 65 1/2 66 66 1/2 67 67 1/2 68 68 1/2 69 69 1/2 70 70 1/2 71 71 1/2 72 72 1/2 73 73 1/2 74 74 1/2 75 75 1/2 76 76 1/2 77 77 1/2 78 78 1/2 79 79 1/2 80 80 1/2 81 81 1/2 82 82 1/2 83 83 1/2 84 84 1/2 85 85 1/2 86 86 1/2 87 87 1/2 88 88 1/2 89 89 1/2 90 90 1/2 91 91 1/2 92 92 1/2 93 93 1/2 94 94 1/2 95 95 1/2 96 96 1/2 97 97 1/2 98 98 1/2 99 99 1/2 100 100 1/2	
Per pkg. of 25.....	14c 15c 16c 17c 18c	

9R3052—Diameter, 3/8 inch.

9R3053—Diameter, 1/2 inch.

9R3054—Diameter, 5/8 inch.

9R3055—Diameter, 3/4 inch.

9R3056—Diameter, 7/8 inch.

9R3057—Diameter, 1 inch.

9R3058—Diameter, 1 1/8 inch.

9R3059—Diameter, 1 1/4 inch.

9R3060—Diameter, 1 1/2 inch.

9R3061—Diameter, 1 3/4 inch.

9R3062—Diameter, 2 inch.

9R3063—Diameter, 2 1/4 inch.

9R3064—Diameter, 2 1/2 inch.

9R3065—Diameter, 2 3/4 inch.

9R3066—Diameter, 3 inch.

9R3067—Diameter, 3 1/4 inch.

9R3068—Diameter, 3 1/2 inch.

9R3069—Diameter, 3 3/4 inch.

9R3070—Diameter, 4 inch.

9R3071—Diameter, 4 1/4 inch.

9R3072—Diameter, 4 1/2 inch.

9R3073—Diameter, 4 3/4 inch.

9R3074—Diameter, 5 inch.

9R3075—Diameter, 5 1/4 inch.

9R3076—Diameter, 5 1/2 inch.

9R3077—Diameter, 5 3/4 inch.

9R3078—Diameter, 6 inch.

9R3079—Diameter, 6 1/4 inch.

9R3080—Diameter, 6 1/2 inch.

9R3081—Diameter, 6 3/4 inch.

9R3082—Diameter, 7 inch.

9R3083—Diameter, 7 1/4 inch.

9R3084—Diameter, 7 1/2 inch.

9R3085—Diameter, 7 3/4 inch.

9R3086—Diameter, 8 inch.

9R3087—Diameter, 8 1/4 inch.

9R3088—Diameter, 8 1/2 inch.

9R3089—Diameter, 8 3/4 inch.

Lag Bolts, Coach or Skin Screws. 19c to 70c
 Per Doz.

Gimlet pointed. These bolts are made for fastening down machinery, fastening on skains and numerous other purposes. Made of good quality tough stock; threads are well formed; screws are full size and full length. State length.

Length, inches.....	2 1/2	3	3 1/2	4	4 1/2	5	6	8
Price, per dozen.....	19c	21c	23c	26c				
Length, inches.....	6 1/2	7	8	9	10	11	12	14
Price, per dozen.....	25c	28c	31c	34c				
Length, inches.....	14 1/2	16	18	20	22	24	26	28
Price, per dozen.....	41c	47c	53c					
Length, inches.....								
Price, per dozen.....								

ASSORTED SIZES SET SCREWS.

About sixty Set Screws, seventeen sizes, ranging from 1/4 x 1/2 to 1/2 x 2 1/2 in. Wt. about 2 1/2 lbs. **9R3029** Price.....\$1.05

ASSORTED SIZES CAP SCREWS.

About forty-eight Cap Screws, ten sizes, ranging from 1/4 x 3/4 to 1 1/2 x 2 in. Hexagon head. Weight, about 5 pounds. **9R3033—Price.....\$1.55**

ASSORTED SIZES CAP SCREWS.

About forty-eight Cap Screws, ten sizes, ranging from 1/4 x 3/4 to 1 1/2 x 2 in. Hexagon head. Weight, about 5 pounds. **9R3033—Price.....\$1.55**

ASSORTED SIZES CAP SCREWS.

About forty-eight Cap Screws, ten sizes, ranging from 1/4 x 3/4 to 1 1/2 x 2 in. Hexagon head. Weight, about 5 pounds. **9R3033—Price.....\$1.55**

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About forty-eight Cap Screws, ten sizes, ranging from 1/4 x 3/4 to 1 1/2 x 2 in. Hexagon head. Weight, about 5 pounds. **9R3033—Price.....\$1.55**

ASSORTED SIZES CAP SCREWS.

About forty-eight Cap Screws, ten sizes, ranging from 1/4 x 3/4 to 1 1/2 x 2 in. Hexagon head. Weight, about 5 pounds. **9R3033—Price.....\$1.55**

ASSORTED SIZES CAP SCREWS.

About forty-eight Cap Screws, ten sizes, ranging from 1/4 x 3/4 to 1 1/2 x 2 in. Hexagon head. Weight, about 5 pounds. **9R3033—Price.....\$1.55**

ASSORTED SIZES CAP SCREWS.

BAR IRON We handle bar iron only for the convenience of our customers who buy other merchandise from us as well. Prices are subject to market changes. If we are obliged to buy further stocks at higher costs we reserve the right to advance our prices. In case of a reduction in our costs we will give you the benefit by returning the difference when we ship your order. We do not sell iron by the pound. Order by the bar only as priced below. **WE WILL NOT FILL ORDERS FOR BAR IRON ALONE IN LARGE QUANTITIES.**

99R3600—Round iron, 14-foot bars. State size wanted.

Size, inches.....	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	16	16 1/2	17	17 1/2	18	18 1/2	19	19 1/2	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	24	24 1/2	25	25 1/2	26	26 1/2	27	27 1/2	28	28 1/2	29	29 1/2	30	30 1/2	31	31 1/2	32	32 1/2	33	33 1/2	34	34 1/2	35	35 1/2	36	36 1/2	37	37 1/2	38	38 1/2	39	39 1/2	40	40 1/2	41	41 1/2	42	42 1/2	43	43 1/2	44	44 1/2	45	45 1/2	46	46 1/2	47	47 1/2	48	48 1/2	49	49 1/2	50	50 1/2	51	51 1/2	52	52 1/2	53	53 1/2	54	54 1/2	55	55 1/2	56	56 1/2	57	57 1/2	58	58 1/2	59	59 1/2	60	60 1/2	61	61 1/2	62	62 1/2	63	63 1/2	64	64 1/2	65	65 1/2	66	66 1/2	67	67 1/2	68	68 1/2	69	69 1/2	70	70 1/2	71	71 1/2	72	72 1/2	73	73 1/2	74	74 1/2	75	75
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QUALITY BELTING and ACCESSORIES

50c Solid Woven Treated Belting.

Made of hard twisted cotton, woven solid in one piece. Threads go through and through as well as crosswise and lengthwise. There are no stitches to wear out nor piles to come apart. Thoroughly stretched and then treated with a special compound which preserves and strengthens the fiber. It is not affected by heat or cold, is always flexible and thoroughly waterproof. For the purpose of comparison, we call this belt 4-ply and 6-ply, which means that it is about the same thickness and weight as ordinary 4-ply and 6-ply canvas belting. Be sure to state width wanted. WE CANNOT FURNISH THESE SOLID WOVEN BELTS MADE ENDLESS.

99R7460—4-Ply or Medium Weight Solid Woven Treated Belting.									
Width, 1 1/2 in.	2 in.	2 1/2 in.	3 in.	3 1/2 in.	4 in.	5 in.	6 in.	8 in.	10 in.
Wt., per ft., abt. 2 1/2 oz.	3 oz.	3 1/2 oz.	4 oz.	4 1/2 oz.	5 oz.	6 oz.	7 oz.	8 oz.	10 oz.
Price, per foot.....	20c	26c	32c	38c	44c	50c	56c	62c	73c

99R7480—6-Ply or Heavy Weight Solid Woven Treated Belting.									
Width, 3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	10 in.	12 in.	14 in.	16 in.
Wt., per foot, abt. 6 oz.	7 oz.	8 oz.	9 oz.	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.
Price, per foot.....	54c	72c	89c	1.04	1.18	1.31	1.54	1.76	

Nubian Stitched Canvas Belting. 48c

Nubian Belting is made from heavy cotton duck treated with Elaterite Compound (sometimes called mineral rubber). This compound acts as a filler and greatly increases the tensile strength of the fabric, absolutely preserving the cotton from mildew or decay. Elaterite is not only one of the greatest waterproofing materials known, but is also heat resisting and impervious to cold. Nubian Belting remains pliable under all conditions and will not harden or crack. State width.

99R7400—4-Ply Extra Quality Nubian Stitched Canvas Belting.									
Width, inches..... 1 1/2	2	2 1/2	3	3 1/2	4	5	6	7	8
Weight, per foot, ooz. 2	3	4	5	6	7	8	9	10	11
Price, per foot, ooz. 2	3	4	5	6	7	8	9	10	11

NOTE—We cannot furnish Nubian Stitched Canvas Belt made endless in special lengths. Order only regular stock lengths as listed below.

Red Stitched Canvas Belts

Made of heavy cotton duck or canvas, woven very hard and with rows of stitching close together. Thoroughly soaked in oil to keep it flexible and waterproof and then painted red with a special composition paint which gives it an excellent friction. Thoroughly stretched before leaving the factory. Especially recommended for threshers, sawmills, quarries, woodworking plants and similar uses.

Endless Stitched Canvas Belts.

Endless belts listed below are carried in stock and can be shipped promptly from Chicago with other goods. About 3 feet shorter than the number of feet you pay for. Be sure to state length wanted.

EXTRA COST AND TIME REQUIRED FOR MAKING SPECIAL LENGTH ENDLESS BELTS.									
Width of belt, 1, 1 1/4, 1 1/2	1 3/4	1 3/8	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
Allow. extra.....	75c		\$1.15	\$1.60	\$2.30	\$3.20	\$4.30	\$5.50	

Stitched Canvas Belts in Cut Lengths.

99R7420—4-Ply Stitched Canvas Belting. Be sure to state width wanted.									
Width, 1 1/2 in.	2 in.	2 1/2 in.	3 in.	3 1/2 in.	4 in.	5 in.	6 in.	7 in.	8 in.
Wt., per foot, about..... 2 oz.	2 1/2 oz.	3 oz.	3 1/2 oz.	4 oz.	4 1/2 oz.	5 oz.	6 oz.	7 oz.	8 oz.
Price, per foot.....	16c	22c	28c	34c	40c	46c	52c	58c	64c

99R7440—6-Ply Stitched Canvas Belting. Be sure to state width wanted.									
Width, 3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	12 in.	14 in.
Wt., per ft. abt. 6 oz.	8 oz.	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.	22 oz.	24 oz.
Price, per foot.....	49c	67c	84c	99c	1.13	1.26	1.38	1.49	1.71

LEATHER BELTING

Carried in stock in three grades, the different grades being according to the weight, length of lap and part of hide leather is taken from. Agricultural Standard Leather Belting (Light Oak Tanned Leather), suitable for regular mill and factory use. High Speed Special Leather Belting (Heavy Selected Oak Tanned Leather, strictly short lap, cut from solid part of hide, thoroughly stretched), suitable for high speed machinery, small pulleys, heavy loads, main drives, etc. When ordering be sure to state width wanted. Leather Belting is not suitable for outdoor use or where it will get wet.

99R7330—Agricultural Standard. Per foot 12c									
99R7340—Extra Factory Standard. Per foot 14c									
99R7350—High Speed Special. Per foot 24c									

9c to \$1.48 RUBBER BELTING

Standard Brand Rubber Belting, for light work, hand power machines and farm machinery. Leader Brand Rubber Belting, for ordinary mill and shop use. Defiance Brand Rubber Belting, for heavy loads and hard strains. When ordering be sure to state width wanted. NOTE—We do not recommend rubber belts for use on threshers, as canvas belting is superior for such use.

Width									
Shipping weight, per foot, about.....	1 in.	1 1/4 in.	1 1/2 in.	2 in.	2 1/2 in.	3 in.	4 in.	5 in.	6 in.
Price, foot.....	9c	12c	15c	18c	21c	24c	28c	36c	44c

STEEL BELT LACING.

99R7110—State size wanted.									
Size No. 1	Width, 1/2 in.	Weight, 1 lb.	Box, 24	Price, \$0.80					
11	1 1/4 in.	1 1/2 lbs.	24	1.25					

OVAL BELT HOOKS.

99R7108—State length.									
Size No. 12	Width, 1/2 in.	Weight, 1 lb.	Box, 24	Price, \$0.80					
10	1 1/4 in.	1 1/2 lbs.	24	1.25					

ACME BELT HOOKS.

99R7106									
Size No. 0	Width, 1/2 in.	Weight, 1 lb.	Box, 24	Price, \$0.80					
1	1 1/4 in.	1 1/2 lbs.	24	1.25					

WIRE BELT LACING.

99R7124—In about 50-foot coils. State size.									
Size No. 1	Width, 1/2 in.	Weight, 1 lb.	Box, 24	Price, \$0.80					
2	1 1/4 in.	1 1/2 lbs.	24	1.25					

65c Red-Wing FRICTION SURFACE RUBBER BELT 95c

GUARANTEED TO DELIVER MAXIMUM SERVICE. HIGH SPEED ON SMALL PULLEYS, ETC. Red-Wing Belt runs absolutely true with full pulley contact from edge to edge, thus delivering maximum horse power with a loss of energy. EFFICIENCY PROVED BY TEST. Red-Wing Belt is a tried and tested efficiency belt that has given 100 per cent satisfaction for the past 10 years and is considered by many transmission experts to be the best all around belt ever produced—not excepting leather belting. State width wanted.

99R7395—4-Ply. Width..... 3 in.									
Weight, per foot, about..... 6 oz.	7 oz.	8 oz.	9 oz.	10 oz.	11 oz.	12 oz.	14 oz.	16 oz.	18 oz.
Price, per foot.....	50c	65c	80c	95c	1.10	1.20	1.50		

EXTRA QUALITY RAW-HIDE CUT LACE, and up 50c

99R7116—State width.									
Width, 1/2 in.	1 in.	1 1/4 in.	1 1/2 in.	2 in.	2 1/2 in.	3 in.	4 in.	5 in.	6 in.
Wt., Abt. 1 lb.	1 1/2 lbs.	2 lbs.	2 1/2 lbs.	3 lbs.	4 lbs.	5 lbs.	6 lbs.	7 lbs.	8 lbs.
Price, Abt. 50 Ft.	1.55	2.35	3.45	4.05					

Handled Belt Awl. 30c

Very handy for sewing belts. Forged steel. Length, 7 1/2 inches. Weight, about 3 ounces. 99R5866—Price.....30c

Transmission Rope. 17c Per Ft. 1-in.

Made from selected manila hemp for transmission of power. Four-strand, manila core, graphited and tallow laid. Can furnish any length up to 1,200 feet in one piece.

99R7840									
Size 1 in.	Weight, 22 lbs.	Price, 12c							
99R7841	1 1/4 in.	32 lbs.	17c						

Rubber-ite Belt Dressing. 87c

Prolongs life of belts and prevents slipping on pulleys. For canvas, leather or rubber 1-qt. Specially recommended for canvas belts. 99R7129—Quart can. Shpg. wt., 2 1/2 lbs. Price, 87c. 99R7801—Gallon can. Shipping wt., about 10 pounds. Price.....\$2.40

HERCULES BELT DRESSING 29c

An excellent dressing. Prevents slipping. Does not harden or injure belts. In 1-pound sticks. 99R7127—Price, stick.....29c

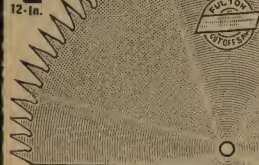
LACE LEATHER CUTTER. 36c

Adjustable to cut various widths. Weight, about 4 ounces. 99R5867—Price....36c

Fulton Circular Saws



\$290



Are Made of Special Saw Steel of the Correct Gauge or Thickness for the Size and Kind of Saw and With the Proper Number of Teeth as Listed Below.

Saws are evenly tempered, ground on special machinery, and are carefully balanced and tested at full speed. Every Fulton Circular Saw is hand smithed and hand blocked, hand filed and hand set, and sent out ready for use.

Fulton Circular Cut-Off Saws.

High speed saws, for use in factories, mills and general wood working plants. State diameter.

Fulton Circular Rip Saws.

High speed saws, for use in factories, mills and wood working plants generally. State diameter.

9R5001—Fulton Circular Rip Saws in small sizes.

Diam.	Gauge	Arbor Hole, in.	Rev. per Minute	Teeth in Saw	Shpg. Wt., Lbs.	Price, Each
4	19	3/4	5,000	38	3/4	\$0.95
6	18	3/4	4,800	38	3/4	1.25
8	18	3/4	4,600	38	3/4	1.65
10	16	1	4,000	36	1 1/2	2.20
12	15	1	3,300	36	2 1/4	2.85
14	15	1 1/2	2,800	36	3 3/4	3.70

NOTE—State whether 1 1/2 or 1 1/2-inch arbor hole is wanted on 28 and 30-inch saws.

9R5953—Fulton Circular Rip Saws in large sizes.

Diam.	Gauge	Arbor Hole, in.	Rev. per Minute	Teeth in Saw	Shpg. Wt., Lbs.	Price, Each
16	14	1 1/2	2,500	36	7	\$4.75
18	13	1 1/2	2,250	34	9	5.85
20	13	1 1/2	1,950	34	10	7.15
22	12	1 1/2	1,750	32	14	8.65
24	11	1 1/2	1,600	32	18	10.35
26	11	1 1/2	1,500	32	20	12.25
28	10	1 1/2 or 1 1/2	1,400	32	24	14.35
30	10	1 1/2 or 1 1/2	1,300	32	27	16.65
32	10	1 1/2	1,225	34	32	19.15
34	9	1 1/2	1,125	30	37	21.85
36	9	1 1/2	1,075	30	45	24.75

9R5000—Fulton Circular Cut-Off Saws in small sizes.

Diam.	Gauge	Arbor Hole, in.	Rev. per Minute	Teeth in Saw	Shpg. Wt., Lbs.	Price, Each
4	19	3/4	5,000	110	1/4	\$1.00
6	18	3/4	4,800	110	1/4	1.30
8	18	3/4	4,600	110	1/4	1.70
10	16	1	4,000	100	1 1/2	2.25
12	15	1	3,300	90	2 1/2	2.90
14	15	1 1/2	2,800	90	3 3/4	3.75

NOTE—State whether 1 1/2 or 1 1/2-inch arbor hole is wanted on 28 and 30-inch saws.

\$490 Circular Saw Mandrels. \$495



Pulley on right hand side. Pulley in center. High grade circular saw mandrel, guaranteed to give satisfactory service. Boxes and pillows of soft gray iron, boxes are well babbitted with a good quality of babbit, pulleys and flanges are accurately turned. Shaft is cold rolled steel and arbors have left hand threads. Furnished complete with bolts for attaching.

Size No.	Diam. Face in.	Flange, in.	Shaft, in.	Shaft, in.	Saw, in.	Arb., in.	Shpg. Wt., Lbs.	Price, Each
0	2	3	2 1/2	1 1/2	1 1/2	1	22	\$5.30
1	2 1/2	3 1/2	2 1/2	1 1/2	1 1/2	1	30	6.25
2	3	4	3	1 1/2	1 1/2	1	35	7.35
3	3 1/2	4 1/2	3 1/2	1 1/2	1 1/2	1	40	8.45
4	4	5	4	1 1/2	1 1/2	1	45	9.25
5	4 1/2	5 1/2	4 1/2	1 1/2	1 1/2	1	50	10.35
6	5	6	5	1 1/2	1 1/2	1	60	13.55
7	5 1/2	6 1/2	5 1/2	1 1/2	1 1/2	1	70	17.65
8	6	7	6	1 1/2	1 1/2	1	80	20.45
9	7	8	7	1 1/2	1 1/2	1	110	28.90
10	8	9	8	1 1/2	1 1/2	1	150	38.95
11	9	10	9	2	2	2	150	38.95

Carpenters' Fulton Adzes.

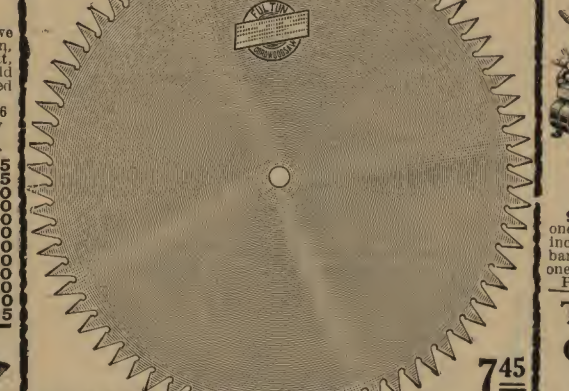
Cutting bits of steel, carefully tempered. Take a keen edge. Price does not include handle. State width. Width cut, about, inches. 3 1/2 4 4 1/2 Weight, about, pounds. 2.15 2.20 2.25

Carpenters' Adze Handle.

Straight grain seasoned stock. Properly shaped, smoothly finished. Wt., about 1 1/2 lbs. 9R5737—34 inches long. Price, 26c

Fulton Circular Cordwood Saws.

Low Speed First Quality Cordwood Saws. For Use on Cordwood and Pole Sawing Outfits.



9R5957 State Diameter and Size Hole.

Diam.	Gauge	Teeth in Saw	Shpg. Wt., Lbs.	Size Hole in Center, in.	Price, Each
20	13	60	10	1 1/4	\$4.60
24	11	60	16	1 1/2	4.62
26	11	64	19	1 3/4	6.32
28	10	64	24	2	6.35
30	10	72	26	2 1/4	7.42
34	9	72	33	2 1/2	7.45

FULTON CIRCULAR MILL SAWS.

Made to order only and shipped from factory in CHICAGO, usually within ten days. In ordering be sure to give us all specifications of saw desired as mentioned below, so we can make the saw to suit your requirements and avoid the delay which would be necessary if we have to write you for additional information. All saws 40 inches and larger should have 2-inch mandrel holes, with two 3/4-inch pin holes, spaced 3 inches center to center. IN ORDERING BE SURE TO GIVE ALL SPECIFICATIONS AS FOLLOWS: Number of teeth wanted in saw, gauge at rim, gauge at center, whether spring or swage set, temper, speed, feed, whether to cut hard or soft wood, right or left hand, size of mandrel hole, size and distance center to center of pin holes.

Mixer's Champion Saw Gummer.

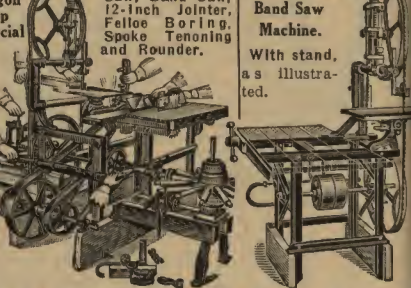
Many experienced sawmill men will have \$20.50 no other kind.



9R5545—Price \$20.50

Size	Weight, About, Pounds	Price, Each
1/2	1	\$5.00
3/4	1	60c
1	1	70c
1 1/4	1	80c
1 1/2	1	90c
2	1	\$1.00

Our Wagon Shop Special



9R8112 1/2—Price, with one 12-inch rip saw, one 10-inch crosscut saw, one 3/4-inch band saw and one 4-inch and one 3-inch belt. Price, complete, \$190.00

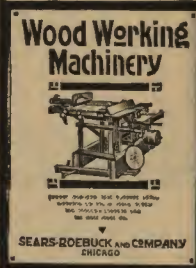
9R8132 1/2—With 3/4-inch band saw and belt shifter, but without table shown in outline. Price, complete, \$44.50

This Special CATALOG

FULLY DESCRIBES OUR COMPLETE LINE OF

Wood Working Machinery

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.



\$9800



Fulton Inserted Tooth Mill Saws.

We will make any size saw with more teeth, if desired, at an additional price of 40 cents for each extra tooth. Revolutions per minute, 500. Feed, 4 inches. Shipped direct from factory near CHICAGO.

Diam. In.	Gauge	No. Teeth in Saw	Shpg. Wt., Lbs.	Price, Each
40	8	28	110 lbs.	\$63.00
42	7	30	130 lbs.	68.00
44	7	30	140 lbs.	74.00
46	7	30	150 lbs.	81.00
48	6	32	170 lbs.	89.00
50	6	34	185 lbs.	108.00
52	6	34	200 lbs.	120.00
54	6	36	215 lbs.	134.00
56	6	38	230 lbs.	148.00
58	6	40	240 lbs.	164.00

Extra Points and Holders for Fulton Inserted Tooth Saws.

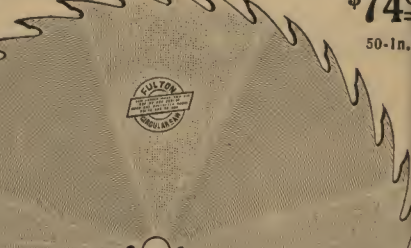
Shipped direct from factory only.

9R8306 1/2—Fulton Drop Forged Extra Points only. Shipping wt., per 100, about 2 1/4 lbs. Price, per 100, \$3.80; each, 38c

9R8307 1/2—Fulton Drop Forged Extra Holders for points. Shpg. wt., per 100, about 9 lbs. Price, per 100, \$33.00; each, 33c

9R8308 1/2—Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each, 60c

\$7400



Fulton Solid Tooth Mill Saws.

Guaranteed to give satisfactory service. Revolutions per minute, 500 to 900. Feed, 4 to 6 1/2 inches. Shipped direct from factory near CHICAGO.

Diam., In.	Gauge	No. Teeth in Saw	Shpg. Wt., Lbs.	Price, Each
40	9	36 to 64	80 lbs.	\$39.00
42	9	36 to 64	90 lbs.	44.00
44	9	36 to 64	115 lbs.	50.00
46	9	36 to 64	125 lbs.	57.00
48	9	36 to 64	135 lbs.	65.00
50	8	32 to 60	150 lbs.	74.00
52	8	34 to 64	160 lbs.	84.00
54	8	36 to 70	175 lbs.	95.00
56	8	38 to 72	200 lbs.	107.00
58	7	40 to 76	225 lbs.	120.00
60	7	40 to 76	225 lbs.	134.00

MIXTER'S DUPLEX SAW SWAGES.

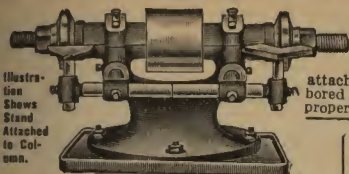
Have improved patent guides. These swages spread the teeth without reducing their length, giving them strong, substantial shoulders. Make the saw cut easily, clear well and steady it in the cut. Full directions sent with each swage.

Size No.	Weight, About, Pounds	Price, Each
0	1/2	\$3.30
1	3/4	4.10
2	1	5.00
3	1 1/4	5.70

EMERY WHEEL STANDS AND COLUMNS

Stands and Columns Are Sold Separately.

If you desire grinder mounted on column, order the stand. Stands are equipped with dustproof brass oil cups and furnished with bolts for attaching to columns. Columns have raised edge around top to prevent tools from falling off, are bored and furnished with lag screws for fastening to the floor. These grinders are well made, properly fitted and guaranteed to give satisfactory service.



Emery Wheel Stand Only.

With adjustable tool rests. Will run two 14x2-inch grinding wheels with 1 1/4-inch holes. Size of spindle, 1 1/2 inches in diameter by 27 inches long, with 5-inch babbitted bearings. Size of pulley, 5 inches in diameter by 4 1/4-inch face. Shipping weight, about 88 pounds.

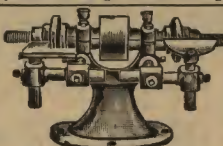
99R5556—Price for stand only, without emery wheels, \$22.55

Columns Have Raised Edge Around Top to Prevent Tools From Falling Off.

Column Only.

Height, 28 1/2 inches. Size of base, 15 x 19 inches. Shipping weight, about 130 lbs.

99R5557—Price for column only, \$10.85



Emery Wheel Stand Only.

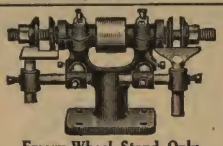
With adjustable tool rests. Will run two 10x1 1/2-inch grinding wheels with 1-inch holes. Size of spindle, 1 1/2 inches in diameter by 19 inches long, with 3 1/4-inch babbitted bearings. Size of pulley, 3 1/2 inches in diameter by 2-inch face. Shipping wt., about 25 lbs.

99R5554—Price for stand only, without emery wheels, \$13.65

COLUMN ONLY.

Height, 32 inches. Size of base, 14x16 inches. Shipping weight, about 80 pounds.

99R5555—Price for column only, \$7.60



Emery Wheel Stand Only.

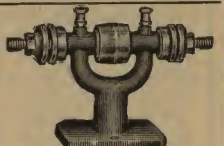
Will run two 8x1-inch grinding wheels with 3/4-inch holes. Size of spindle, 1/2 inch in diameter by 14 inches long, with 2 1/4-inch babbitted bearings. Size of pulley, 2 1/2 inches in diameter by 2-inch face. Shipping wt., about 25 lbs.

99R5552—Price for stand only, without emery wheels, \$7.45

COLUMN ONLY.

Height, 33 1/2 inches. Size of base, 13x14 inches. Shipping weight, about 70 lbs.

99R5553—Price for column only, \$5.95



Emery Wheel Stand Only.

Will run two 6x1-inch emery wheels with 1/2-inch holes. Size of spindle, 1/2 inch in diameter by 10 1/2 inches long, with plain bearings. Size of pulley, 2 inches in diameter by 1 1/2-inch face. Shipping weight, about 11 pounds.

99R5550—Price for stand only, without emery wheels, \$3.85

COLUMN ONLY.

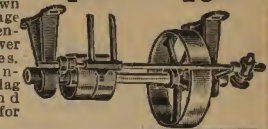
Height, 34 1/2 inches. Size of base, 11x12 inches. Shipping weight, about 50 pounds.

99R5551—Price for column only, \$5.20

BELT COUNTERSHAFTS.

For use with emery wheel stands shown on this page and for general power purposes. Price includes lag screws and washers for attaching.

\$450 to \$1565



Shaft In.	Small Pulleys, Size, In.	Drive Pulleys, Size, In.	Shpg. Wt., Lbs.	Price
99R5621	3/4	3x1 1/2	8x2	35 \$ 4.50
99R5622	1	5x2 1/2	10x2 1/2	50 6.65
99R5623	1 1/4	6x3	12x3	70 8.85
99R5624	1 1/2	6x4	16x4	112 15.65

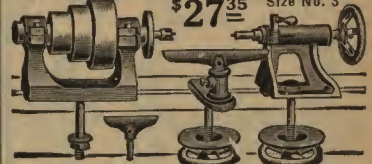
Polishing Head for Power.

Height, 6 inches; spindle, 7/8 inch diameter, 9 inches long. Drill chuck one end, taper left hand screw on other. Pulley for cord or belt. Takes wheels up to 4 1/2 inch with 3/4-inch hole. Weight, about 3 lbs.

99R5869—Price, \$1.45

99R5870—4-inch Cloth Buffing Wheels for use on above polishing head. Made of twenty thicknesses of cloth securely sewed together. Wt., about 2 oz. Price, each, .12c

Full Size Lathe Sets for Mechanics' Use.



Nos. 3 and 4 have babbitted bearings; Nos. 1 and 2 have cast iron bearings. Cones are carefully balanced, turned on inside as well as outside. Lathe set consists of metal parts only. Wood bed not included. State size.

99R5626—Lathe Set, complete.

Size, No.	1	2	3	4
Swing, inches	6	8	11	13
Conc. Spindle	1 1/4	1 1/2	1 3/4	1 1/2
Morse Taper, No.	1	1	2	2
Takes Belt, in.	1	1 1/4	1 1/2	1 1/2
Shipping wt., lbs.	18	35	80	110

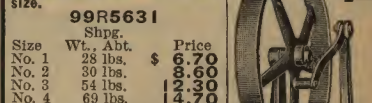
Price \$12.35 \$16.90 \$27.35 \$45.00



Pulleys match pulleys on same size lathe sets. Price includes pulleys and washers for attaching. State size.

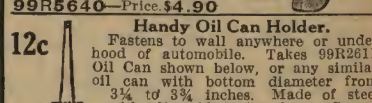
99R5631

Size, No.	1	2	3	4
Shpg. Wt., Lbs.	28	30	54	69
Price	\$ 6.70	\$ 7.20	\$12.30	\$14.70



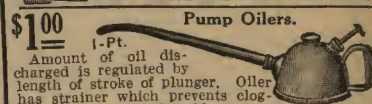
For driving above lathe sets. Size, 13 1/2 inches with 2 1/4-inch face. Screws furnished for fastening to floor. Shpg. wt., abt. 60 lbs.

99R5640—Price, \$4.90



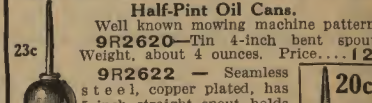
Fastens to wall anywhere or under hood of automobile. Takes 99R2611 Oil Can shown below, or any similar oil can with bottom diameter from 3 1/2 to 3 3/4 inches. Made of steel with adjustable spring clamp. Screws furnished for attaching. Wt., about 3 ounces.

99R2618—Price, each, 12c



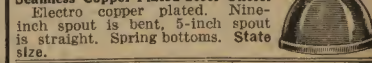
Amount of oil discharged is regulated by length of stroke of plunger. Oil has strainer which prevents clogging. Spout is adjustable in position. Made of steel.

99R2615—Capacity, 1 pint; length of spout, 9 1/4 inches. Weight, about 12 oz. Price, \$1.00



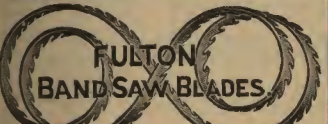
Well known mowing machine pattern. **99R2620**—Tin 4-inch bent spout. Weight, about 4 ounces. Price, \$1.2c

99R2622—Seamless steel, copper plated, has 5-inch straight spout, holds about 3 1/2 pint. Wt., about 4 ounces. Price, \$1.23c



Electro copper plated. Nine-inch spout is bent, 5-inch spout is straight. Spring bottoms. State size.

Capacity	Bottom Diameter	Lgth. Spout	Wt., Lbs.	Price	
99R2611	1 1/2 pt.	3 3/4 in.	5 in.	4 oz.	20c
99R2612	1 pt.	4 1/4 in.	9 in.	6 oz.	30c



70c AND Made of special saw steel, very flexible, carefully tempered and sent out sharpened and set, ready for use when received. In ordering give width and length wanted in addition to our catalog number.

99R5003—Fulton Band Saw Blades. Brazed. Carried in stock and shipped promptly with other goods, if desired.

Width	LENGTH		
	10 Ft.	12 Ft.	14 Ft.
3/4 in.	\$0.70	\$0.80	\$0.90
1 in.	.80	.90	1.00
1 1/4 in.	.90	1.05	1.20
1 1/2 in.	1.05	1.20	1.35
1 3/4 in.	1.20	1.40	1.55
2 in.	1.35	1.60	1.85
2 1/2 in.	1.50	1.80	2.10

Width	LENGTH		
	16 Ft.	18 Ft.	20 Ft.
3/4 in.	\$1.00	\$1.10	\$1.20
1 in.	1.10	1.25	1.40
1 1/4 in.	1.35	1.50	1.65
1 1/2 in.	1.50	1.65	1.80
1 3/4 in.	1.80	2.00	2.20
2 in.	2.10	2.35	2.60
2 1/2 in.	2.40	2.70	3.00

99R5002—Fulton Band Saw Blades. Not brazed. Carried in stock and can be shipped any length desired.

Width	Wt., per Ft., Abt.	Price, Foot
3/4 in.	1/2 oz.	5c
1 in.	3/4 oz.	6c
1 1/4 in.	1 oz.	7c
1 1/2 in.	1 1/4 oz.	8c
1 3/4 in.	1 1/2 oz.	11c
2 in.	2 oz.	13c
2 1/2 in.	2 1/2 oz.	15c

99R5990—Silver Solder for Brazing Band Saw Blades. We do not sell less than 1 ounce. Price, per ounce, \$1.25

CROSSCUT AND CIRCULAR SAW SETS.

99R102—Size No. 3. For single tooth saws from 20 to 14 gauge. Wt., about 2 lbs.

Price, \$1.82c

99R103—Size No. 4. For Champion saws from 20 to 14 gauge. Weight, about 1 1/2 pounds.

Price, \$1.86c

CROSSCUT SAW FILER, JOINTER, TOOTH GAUGE, SETTING BLOCK AND GAUGE.

Full directions furnished with each tool. Wt., about 1 1/4 pounds.

99R119—Without file, \$45c

IMPROVED CIRCULAR SAW SIDE FILER.

For dressing sides and points of teeth on circular saws.

99R116—Weight, about 1 1/2 pounds. Price, with file, \$95c

99R117—Extra Files only. Weight, about 8 oz. Price, \$30c

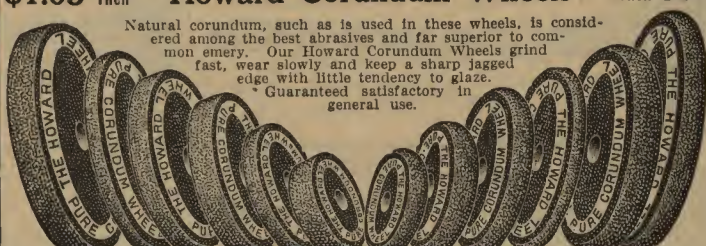
WHITING CROSSCUT SAW SET.

Made of steel, properly tempered. Weight, about 4 oz.

99R107—Price, \$56c



\$1.05 6x1-inch Howard Corundum Wheels 55c



Natural corundum, such as is used in these wheels, is considered among the best abrasives and far superior to common emery. Our Howard Corundum Wheels grind fast, wear slowly and keep a sharp jagged edge with little tendency to glaze.

* Guaranteed satisfactory in general use.

TABLE SHOWING NUMBER OF REVOLUTIONS PER MINUTE AT WHICH HOWARD CORUNDUM WHEELS GIVE BEST RESULTS.

Diam. Wheel, in. 2 3 4 5 6 8 10 12 14 16 18
Rev. per minute, 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

HOWARD CORUNDUM TOOL GRINDING WHEELS.

For grinding all kinds of carpenters' and woodworkers' tools, drills, lathe and planer tools, planing mill and paper cutting knives, and for general machine shop use. When ordering state our catalog number, diameter and thickness of wheel, size of hole in center, and the kind of work wheel is to be used for.

		99R5952—With flat face.												99R5953—With round face.											
		2	3	4	5	6	8	10	12	14	16	18	2	3	4	5	6	8	10	12	14	16	18		
1/4	in. thick. Price.	23	30	40	55	70	1.00	1.30	1.60																
	in. thick. Price.	27	35	45	60	80	1.10	1.40	1.70																
3/8	in. thick. Price.	32	40	50	70	95	1.30	1.70	2.10																
	in. thick. Price.	35	45	55	75	1.05	1.50	2.05	2.60	\$3.40															
1/2	in. thick. Price.				90	1.20	1.80	2.45	3.10	4.30															
	in. thick. Price.				1.00	1.40	2.10	2.90	3.70	4.80	5.90	6.80													
3/4	in. thick. Price.					1.70	2.50	3.70	4.60	5.70	6.90	8.20													
	in. thick. Price.						3.85	5.10	6.15																

Blacksmiths' Howard Special Corundum Wheels.

High grade fast cutting wheels for grinding plow points, shovels, iron and steel castings, edging and jointing agricultural implements and rough work in general. When ordering state our catalog number, diameter and thickness of wheel, size of hole in center, and kind of work wheel is to be used for.

99R5946—With flat face.

99R5947—With round face.

Diameter, in.	8	10	12	14	16
1 1/2 in. thick. \$2.10	\$3.00	\$3.90	\$4.95	\$5.90	
2 in. thick. 2.60	3.80	4.70	6.10	7.60	
2 1/2 in. thick. 3.10	4.60	6.00	7.40	8.95	
3 in. thick. 3.70	5.20	7.00			

HOWARD SPECIAL SAW GUMMER WHEELS.

Cut freely without filling or glazing, hold their shape without frequent dressing, leave the saw teeth free from burrs or rough edges, cut fast.

99R5950—With round face.

99R5951—With bevel face. State diameter, thickness and size of hole.

Diameter...	6 Inches		8 Inches		10 Inches		12 Inches	
	Shpg. Wt., About, Lbs.	Price, Each	Shpg. Wt., About, Lbs.	Price, Each	Shpg. Wt., About, Lbs.	Price, Each	Shpg. Wt., About, Lbs.	Price, Each
3/4 inch thickness	3 1/4	\$0.85	1 1/4	\$1.20	2	\$1.70	3	\$2.10
1 inch thickness	4 1/4	1.00	2	1.45	3	2.10	5	2.50
1 1/4 inch thickness	5 1/4	1.15	2 1/4	1.70	4	2.35	6	2.85
1 1/2 inch thickness	6 1/4	1.30	3	2.00	5	2.85	7	3.20



40c Huntington Pattern Improved Emery Wheel Dresser. For truing, shaping and removing glaze while wheel is running. Leaves wheel clean and sharp. Wt., about 1 1/2 lbs. Price, with two sets of cutters, \$40c

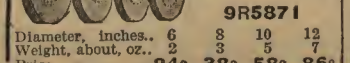
99R5724—Extra Cutters for emery wheel dressers. Weight, about 1 ounce. Price, per set, \$7c

Cloth Buffing Wheels.

24c Each wheel is made of twenty thicknesses of cloth, securely sewed together. State diameter.

99R5871

Diameter, inches.	6	8	10	12
Weight, about, oz.	2	5	10	15
Price	24c	38c	58c	86c



20c For use on buffing wheels in working rough surfaces. This material produces a smooth finish. In cakes of about 2 pounds.

99R5872—Price, per cake, \$20c

White Finishing Compound.

For use on buffing wheels. This compound produces a high polish or luster copper, aluminum, steel or nickel plated surfaces. In cakes of about 2 pounds.

99R5873—Price, cake, \$28c

Fulton Pond Ice Saws. \$3.95

Steel blade, sharpened and set ready for use. Price includes handle. State length. Shipping weight, about 15 pounds.

99R5969

Length blade, feet..... 4 4½ 5
Price, including handle. \$3.95 \$4.45 \$4.95

\$1.30 Fulton Wagon Ice Saws.

24-In.

Steel blade, with malleable iron handle. Sharpened and set ready for use. Fully guaranteed. State length. Shipping weight, about 4 pounds.

99R5967

Length, in.... 24 26 28 30
Price, each.... \$1.30 \$1.50 \$1.75 \$2.10

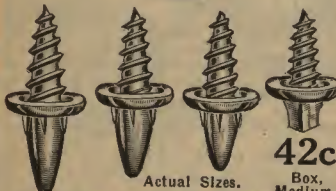
Steel Ice Tongs.

Medium size. Drop forged steel. Will easily handle a 200-pound block. Shipping weight, 4 lbs.

99R2770

Price..... \$1.25

"Hold Fast" Screw Calks for Boots.



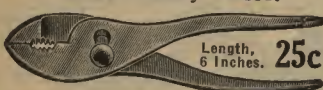
42c

For bottoms and heels of shoes to prevent wearer from slipping. In boxes containing fifty calks and one wrench. State size. Weight, about 4 ounces.

9R6000

Size..... Large Medium Small Blunt
Price, per box.... 43c 42c 41c 40c

Fulton Handy Pliers.



Length, 6 inches. 25c

9R5832—Wire cutter and pliers combined. Very strong and durable. State size. Length, 6 in. Wt. about 8 oz. Price.... 25c
Length, 8 in. Wt. about 12 oz. Price.... 35c
Length, 10 in. Wt. about 14 oz. Price.... 45c

Hand Shaved Oval Hickory Ax Handles.

99R5733—Made of seasoned straight grain, second growth hickory, selected quality, oval shape, hand shaved. Sanded. Full 36 inches long. Shipping weight, about 1½ pounds. Price..... 39c

Turned Hickory Ax Handles.

99R5731—Made of good weight, seasoned tough hickory. Standard quality, sanded, 36 inches long. Shipping weight, about 1 pound. Price, each..... 25c

99R5729—Regular quality, 36 inches long. Seasoned hickory. Price, each..... 23c

99R5727—Boys' Handles, seasoned straight grain hickory, 28 inches long. Price, each..... 21c

FULTON SPECIAL AXES.

A quality ax made of the same high grade material as our Fulton Clipper Ax, but not as expensively finished. Has hickory handle. Every ax fully guaranteed. Be sure to state weight.

Weight, about 3½ lbs. \$2.30 | Weight, about 4 lbs. \$2.40 | Weight, about 4½ lbs. \$2.50
pounds. Price..... pounds. Price..... pounds. Price.....

Fulton Boys' Handled Ax.

Just the right weight for boys' use, splitting kindling, etc. Sharpened ready for use. Shipping weight, including 27-inch handle, about 3½ pounds. Price..... \$1.40
99R5659—Price

FULTON AXES.

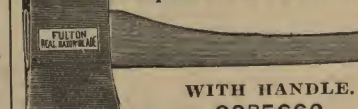
For farmers' wood lots, and the man who has an occasional job of chopping to do. We recommend our Fulton Clipper as the ax to buy for steady use, but for all ordinary farm use our Fulton, or Fulton Special Ax will give satisfactory service. Be sure to state weight wanted.



Round Poll Pattern. With Handle.

Weight, About 3½ lbs. \$2.10 | Weight, About 4 lbs. \$2.15 | Weight, About 4½ lbs. \$2.20

Square Poll Pattern.



WITH HANDLE.

Weight, About 3½ lbs. \$2.10 | Weight, About 4 lbs. \$2.15 | Weight, About 4½ lbs. \$2.20

Fulton Hunters Hatchet.

Designed for hunters' use or any light chopping. 15-inch hickory handle. Weight, including handle, about 2 pounds. Price..... \$1.15
9R5167—Price



See Page 1063 Our "Quick-Cut" Steel Frame Grindstone.

Double Bit Axes. WITH HANDLE.



Weight, About 4 lbs. \$2.70 | Weight, About 4½ lbs. \$2.80 | Weight, About 5 lbs. \$2.90

Hand Shaved Octagon Hickory Ax Handle.

Selected quality, octagon shape, hand shaved. Made of well seasoned straight grain, second growth hickory, full 36 inches long. Sanded. Shipping weight, about 1½ pounds. Price, each..... 42c

Double Bit Hickory Ax Handle.

99R5721—36 inches long. Seasoned hickory, straight heavy stock. Shipping weight, 1 pound. Price, each..... 27c

Bent Hickory Broadax Handle.

99R5723—34 inches long. Seasoned straight grain hickory, heavy stock. Reversible for either right or left hand. Shipping weight, about 1½ pounds. Price, each..... 27c

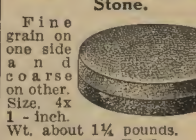
20 Handle Wedges. 35c



9R5919

Price, 20 for..... 35c

Round Hand Ax Emery Stone.



9R5716

Price, each..... 6c

TESTED CABLE LOG CHAINS.

\$3.45 Fitted With Hooks and Swivel. Regular Standard Length for Loggers' Use. Made up of our tested coil chain. Guaranteed full size. Every chain is carefully inspected and tested as to strength before leaving the factory. Length, 14 feet. Size indicates diameter of iron from which links are made. State size.

Size, inch..... 1 1½ 2 2½ 3 3½ 4 4½ 5 5½ 6 6½ 7 7½ 8 8½ 9 9½ 10 10½ 11 11½ 12 12½ 13 13½ 14 14½ 15 15½ 16 16½ 17 17½ 18 18½ 19 19½ 20 20½ 21 21½ 22 22½ 23 23½ 24 24½ 25 25½ 26 26½ 27 27½ 28 28½ 29 29½ 30 30½ 31 31½ 32 32½ 33 33½ 34 34½ 35 35½ 36 36½ 37 37½ 38 38½ 39 39½ 40 40½ 41 41½ 42 42½ 43 43½ 44 44½ 45 45½ 46 46½ 47 47½ 48 48½ 49 49½ 50 50½ 51 51½ 52 52½ 53 53½ 54 54½ 55 55½ 56 56½ 57 57½ 58 58½ 59 59½ 60 60½ 61 61½ 62 62½ 63 63½ 64 64½ 65 65½ 66 66½ 67 67½ 68 68½ 69 69½ 70 70½ 71 71½ 72 72½ 73 73½ 74 74½ 75 75½ 76 76½ 77 77½ 78 78½ 79 79½ 80 80½ 81 81½ 82 82½ 83 83½ 84 84½ 85 85½ 86 86½ 87 87½ 88 88½ 89 89½ 90 90½ 91 91½ 92 92½ 93 93½ 94 94½ 95 95½ 96 96½ 97 97½ 98 98½ 99 99½ 100 100½ 101 101½ 102 102½ 103 103½ 104 104½ 105 105½ 106 106½ 107 107½ 108 108½ 109 109½ 110 110½ 111 111½ 112 112½ 113 113½ 114 114½ 115 115½ 116 116½ 117 117½ 118 118½ 119 119½ 120 120½ 121 121½ 122 122½ 123 123½ 124 124½ 125 125½ 126 126½ 127 127½ 128 128½ 129 129½ 130 130½ 131 131½ 132 132½ 133 133½ 134 134½ 135 135½ 136 136½ 137 137½ 138 138½ 139 139½ 140 140½ 141 141½ 142 142½ 143 143½ 144 144½ 145 145½ 146 146½ 147 147½ 148 148½ 149 149½ 150 150½ 151 151½ 152 152½ 153 153½ 154 154½ 155 155½ 156 156½ 157 157½ 158 158½ 159 159½ 160 160½ 161 161½ 162 162½ 163 163½ 164 164½ 165 165½ 166 166½ 167 167½ 168 168½ 169 169½ 170 170½ 171 171½ 172 172½ 173 173½ 174 174½ 175 175½ 176 176½ 177 177½ 178 178½ 179 179½ 180 180½ 181 181½ 182 182½ 183 183½ 184 184½ 185 185½ 186 186½ 187 187½ 188 188½ 189 189½ 190 190½ 191 191½ 192 192½ 193 193½ 194 194½ 195 195½ 196 196½ 197 197½ 198 198½ 199 199½ 200 200½ 201 201½ 202 202½ 203 203½ 204 204½ 205 205½ 206 206½ 207 207½ 208 208½ 209 209½ 210 210½ 211 211½ 212 212½ 213 213½ 214 214½ 215 215½ 216 216½ 217 217½ 218 218½ 219 219½ 220 220½ 221 221½ 222 222½ 223 223½ 224 224½ 225 225½ 226 226½ 227 227½ 228 228½ 229 229½ 230 230½ 231 231½ 232 232½ 233 233½ 234 234½ 235 235½ 236 236½ 237 237½ 238 238½ 239 239½ 240 240½ 241 241½ 242 242½ 243 243½ 244 244½ 245 245½ 246 246½ 247 247½ 248 248½ 249 249½ 250 250½ 251 251½ 252 252½ 253 253½ 254 254½ 255 255½ 256 256½ 257 257½ 258 258½ 259 259½ 260 260½ 261 261½ 262 262½ 263 263½ 264 264½ 265 265½ 266 266½ 267 267½ 268 268½ 269 269½ 270 270½ 271 271½ 272 272½ 273 273½ 274 274½ 275 275½ 276 276½ 277 277½ 278 278½ 279 279½ 280 280½ 281 281½ 282 282½ 283 283½ 284 284½ 285 285½ 286 286½ 287 287½ 288 288½ 289 289½ 290 290½ 291 291½ 292 292½ 293 293½ 294 294½ 295 295½ 296 296½ 297 297½ 298 298½ 299 299½ 300 300½ 301 301½ 302 302½ 303 303½ 304 304½ 305 305½ 306 306½ 307 307½ 308 308½ 309 309½ 310 310½ 311 311½ 312 312½ 313 313½ 314 314½ 315 315½ 316 316½ 317 317½ 318 318½ 319 319½ 320 320½ 321 321½ 322 322½ 323 323½ 324 324½ 325 325½ 326 326½ 327 327½ 328 328½ 329 329½ 330 330½ 331 331½ 332 332½ 333 333½ 334 334½ 335 335½ 336 336½ 337 337½ 338 338½ 339 339½ 340 340½ 341 341½ 342 342½ 343 343½ 344 344½ 345 345½ 346 346½ 347 347½ 348 348½ 349 349½ 350 350½ 351 351½ 352 352½ 353 353½ 354 354½ 355 355½ 356 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578½ 579 579½ 580 580½ 581 581½ 582 582½ 583 583½ 584 584½ 585 585½ 586 586½ 587 587½ 588 588½ 589 589½ 590 590½ 591 591½ 592 592½ 593 593½ 594 594½ 595 595½ 596 596½ 597 597½ 598 598½ 599 599½ 600 600½ 601 601½ 602 602½ 603 603½ 604 604½ 605 605½ 606 606½ 607 607½ 608 608½ 609 609½ 610 610½ 611 611½ 612 612½ 613 613½ 614 614½ 615 615½ 616 616½ 617 617½ 618 618½ 619 619½ 620 620½ 621 621½ 622 622½ 623 623½ 624 624½ 625 625½ 626 626½ 627 627½ 628 628½ 629 629½ 630 630½ 631 631½ 632 632½ 633 633½ 634 634½ 635 635½ 636 636½ 637 637½ 638 638½ 639 639½ 640 640½ 641 641½ 642 642½ 643 643½ 644 644½ 645 645½ 646 646½ 647 647½ 648 648½ 649 649½ 650 650½ 651 651½ 652 652½ 653 653½ 654 654½ 655 655½ 656 656½ 657 657½ 658 658½ 659 659½ 660 660½ 661 661½ 662 662½ 663 663½ 664 664½ 665 665½ 666 666½ 667 667½ 668 668½ 669 669½ 670 670½ 671 671½ 672 672½ 673 673½ 674 674½ 675 675½ 676 676½ 677 677½ 678 678½ 679 679½ 680 680½ 681 681½ 682 682½ 683 683½ 684 684½ 685 685½ 686 686½ 687 687½ 688 688½ 689 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800½ 801 801½ 802 802½ 803 803½ 804 804½ 805 805½ 806 806½ 807 807½ 808 808½ 809 809½ 810 810½ 811 811½ 812 812½ 813 813½ 814 814½ 815 815½ 816 816½ 817 817½ 818 818½ 819 819½ 820 820½ 821 821½ 822 822½ 823 823½ 824 824½ 825 825½ 826 826½ 827 827½ 828 828½ 829 829½ 830 830½ 831 831½ 832 832½ 833 833½ 834 834½ 835 835½ 836 836½ 837 837½ 838 838½ 839 839½ 840 840½ 841 841½ 842 842½ 843 843½ 844 844½ 845 845½ 846 846½ 847 847½ 848 848½ 849 849½ 850 850½ 851 851½ 852 852½ 853 853½ 854 854½ 855 855½ 856 856½ 857 857½ 858 858½ 859 859½ 860 860½ 861 861½ 862 862½ 863 863½ 864 864½ 865 865½ 866 866½ 867 867½ 868 868½ 869 869½ 870 870½ 871 871½ 872 872½ 873 873½ 874 874½ 875 875½ 876 876½ 877 877½ 878 878½ 879 879½ 880 880½ 881 881½ 882 882½ 883 883½ 884 884½ 885 885½ 886 886½ 887 887½ 888 888½ 889 889½ 890 890½ 891 891½ 892 892½ 893 893½ 894 894½ 895 895½ 896 896½ 897 897½ 898 898½ 899 899½ 900 900½ 901 901½ 902 902½ 903 903½ 904 904½ 905 905½ 906 906½ 907 907½ 908 908½ 909 909½ 910 910½ 911 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FULTON SAWS ARE MADE OF HIGH GRADE SAW STEEL, properly tempered and carefully ground, filed and set by hand. All Fulton Saws are sent out sharp and ready for use. Satisfaction guaranteed.

FULTON CROSSCUT SAWS



FULTON CLIPPER TOOTH WIDE CROSSCUT SAWS.

\$5.65 6-FOOT		\$6.50 7-FOOT
99R5928—A popular saw for hard service. Fulton Clipper Tooth Saws, at middle of back, are ground six gauges thinner than the toothed edge. Fast cutting. Easy running. If you want high quality, this is the saw to buy. Without handles. For handles to fit see below. State length.		
5 FEET LONG. Shipping weight, about 7 pounds.	\$4.75 6 FEET LONG. Shipping weight, about 9 pounds.	7 FEET LONG. Shipping weight, about 11 pounds. \$6.50

FULTON PERFORATED LANCE TOOTH WIDE CROSSCUT SAWS.

\$4.25 5-FOOT		\$5.10 6-FOOT
99R5927—A popular and most satisfactory saw. Fulton Perforated Lance Tooth Saws, at middle of back, are ground five gauges thinner than the toothed edge. Easy to keep in order. Without handles. For handles see below. State length.		
5 FEET LONG. Shipping weight, about 7 pounds.	\$4.25 6 FEET LONG. Shipping weight, about 9 pounds.	6-FOOT Shipping weight, about 11 pounds. \$5.10

\$3.95 5-FOOT	Fulton Diamond Tooth Wide Crosscut Saws.	\$4.75 6-FOOT	\$3.20 5-FOOT	Fulton Perforated Lance Tooth Felling Saws.	\$3.90 6-FOOT
99R5926—Fulton Diamond Tooth Saws, at middle of back, are ground four gauges thinner than the toothed edge. Without handles. For handles see below. State length.					
5 ft. Length. Shipping weight, about 7 lbs. Price \$3.95	6 ft. Length. Shipping weight, about 9 lbs. Price \$4.75	99R5918—Fulton Perforated Lance Tooth Thin Back Felling Saw. A smooth, quick cutter. Without handles. For handles see below. State length.			
		5 ft. Length. Shipping weight, about 5 lbs. Price \$3.20	6 ft. Length. Shipping weight, about 7 lbs. Price \$3.90		

\$3.20 5 1/2-FOOT	Fulton Champion Tooth Wide Crosscut Saws.	\$2.75 6-FOOT
99R5922—Fulton Champion Tooth Wide Crosscut Saw with thin back. Standard quality. Without handles. For handles see below. State length.		
5 1/2 ft. Length. Shipping weight, about 5 lbs. Price \$3.20	6 ft. Length. Shipping weight, about 7 lbs. Price \$2.75	

\$2.85 5-FOOT	Fulton Peg Tooth Wide Crosscut Saws.	\$2.15 6-FOOT
99R5921—Fulton Peg or V Tooth Wide Crosscut Saw with thin back. Standard quality. Without handles. For handles see below. State length.		
5 ft. Length. Shipping weight, about 7 lbs. Price \$2.85	6 ft. Length. Shipping weight, about 9 lbs. Price \$2.15	

28c	Crosscut Saw Handles.	39c	15c	One-Man Crosscut Saw Handles.	21c
99R5088—Loop pattern. Weight, about 1 1/4 pounds. Price, per pair, 28c	99R5089—Reversible pattern. Weight, about 1 1/4 pounds. Price, per pair, 32c	99R5090—Heavy, extra quality, loop pattern. Weight, about 2 pounds. Price, per pair, 39c	99R5085—Supplementary Handle. Complete with rivet. Weight, about 4 ounces. Price 15c	99R5086—Good stock, varnished edges without screws. Wt., abt. 8 oz. 21c	

FULTON PERFORATED LANCE TOOTH ONE-MAN STRAIGHT BACK CROSS CUT SAWS.

\$3.95 4-FOOT		\$4.95 5-FOOT
99R5915—Fulton Perforated Lance Tooth Taper Ground, Thin Back, One-Man Saw. Complete as illustrated. State length.		
4 FEET LONG. Shipping weight, about 6 pounds.	\$3.95 5 FEET LONG. Shipping weight, about 8 pounds.	\$4.95

\$2.50 3 1/2-FOOT	Fulton Champion Tooth, 4 1/2-FOOT One-Man, Straight Back Crosscut Saws.	\$3.00 3-FOOT	\$2.10
99R5914—Fulton Champion Tooth Taper Ground, Thin Back, One-Man Saw. Complete with handles, as illustrated. State length.			
3 1/2 ft. Length. Shipping weight, about 5 lbs. Price \$2.50	4 1/2 ft. Length. Shipping weight, about 7 lbs. Price \$3.00	99R5913—Fulton Peg or V Tooth Taper Ground, Thin Back, One-Man Saw. Complete with handles, as illustrated.	
		3 ft. Length. Shipping weight, about 4 lbs. Price \$2.10	

STEEL CROWBARS.	12-LB. \$1.35	WRECKING BARS.	OUR PRICE, 42c
Solid steel, tempered points, well proportioned, strong and substantial.			
Wedge Point Crowbar. { 99R5501—Shipping weight, about 12 pounds. Price \$1.35 99R5502—Shipping weight, about 16 pounds. Price \$1.75 99R5503—Shipping weight, about 20 pounds. Price 2.15		99R5732—Length, about 12 inches. Shpg. wt., about 12 oz. Price, each 25c 99R5498—Length, about 24 inches. Shpg. wt., about 3 1/2 lbs. Price, each 42c 99R5499—Length, about 30 inches. Shipping weight, about 4 pounds. Price, each 48c	
Pinch Point Crowbar. { 99R5504—Shipping weight, about 12 pounds. Price \$1.35 99R5505—Shipping weight, about 16 pounds. Price 1.75 99R5506—Shipping weight, about 20 pounds. Price 2.15			



FULTON CLIPPER \$1.70 BUCK SAW

A High Grade, Fast Cutting Saw. Blade is made of special saw steel, correctly tempered so as to give the best results under all conditions. Champion pattern coarse teeth, which cut free and easily without choking or wedging tight. Width of blade, about 2 1/4 inches. Selected hardwood frame, red finish. Saw comes sharpened and set, ready for use. Weight, about 4 lbs.

99R5007—Price, complete **\$1.70**
99R5011—Extra Fulton Clipper Blades. Weight, about 8 ounces. Each **70c**

\$1.55 Fulton Special Buck Saw.

Frame made of hardwood and varnished. Steel blade properly tempered and fully guaranteed. Teeth are V shape full bevel, filed, set and ready for use. Blade, about 1 1/2 inches wide. Weight, about 3 1/4 pounds.

99R5006—Fulton Special Buck Saw, complete. Price **\$1.55**
99R5010—Extra Fulton Special Blades. Weight, about 6 ounces. Price, each **60c**

\$1.35 Fulton Buck Saw.

Steel blade about 2 1/4 in. wide. V shape teeth. Hardwood frame, red finish. Weight, about 3 1/4 pounds.

99R5005—Price, complete **\$1.35**
99R5009—Extra Blades. Weight, about 10 ounces. Price, each **50c**

CROSSCUT AND CIRCULAR SAW SETS.

A standard tool that will give good service.

99R5102—Size No. 3. For single tooth saws from 20 to 14 gauge. Wt., abt. 2 lbs. Price **82c**
99R5103—Size No. 4. For Champion Saws from 20 to 14 gauge. Weight, about 1 1/2 pounds. Price **86c**

CROSSCUT SAW FILER, JOINTER, TOOTH GAUGE, SETTING BLOCK AND GAUGE.

By the use of this tool crosscut saws may be kept in good order. Full directions. Wt., about 1 1/2 pounds.

99R5119—Price, without file **45c**

SOLID FORGED STEEL GOUGES. 38c 1/2-IN.

Made from one piece of octagon steel, properly tempered. State width.

99R5205—Size cutting edge, in. 1/2 3/4 1
Wt., about, oz. 8 9 13
Price, each **38c 44c 50c**

SOLID FORGED STEEL CHISELS. 22c 1/2-IN.

Made from one piece of octagon steel, properly tempered. State width.

99R5203—Size cutting edge, in. 1/2 3/4 1 1 1/2
Wt., abt., lbs. 1/4 1/2 3/4 1 1 1/2
Price, each **22c 28c 32c 38c 44c**

All Fulton Bench Planes have patented adjustment for exact adjustment of cutters with face of plane.

FULTON IRON JOINTER PLANES. **\$5.35**
Smooth Bottom.
21½ inches long, 2½-inch cutter.
9R5270—Smooth bottom. Weight, about 9 pounds. Price,**\$5.35**
9R5271—Corrugated bottom. Weight, about 9 pounds. Price,**\$5.70**

FULTON IRON FORE PLANES. **\$4.45**
Smooth Bottom.
18 inches long, 2½-inch cutter.
9R5268—Smooth bottom. Weight, about 7 pounds. Price,**\$4.45**
9R5269—Corrugated bottom. Weight, about 7 pounds. Price,**\$4.75**

EXTRA IRONS FOR ABOVE PLANES.
9R5293—Single Plane Irons, 2½-inch cutter. Price, each,**50c**
9R5294—Double Plane Irons, 2½-inch cutter. Price, each,**80c**

Fulton Adjustable Iron Bench Plane

Smooth or Corrugated Bottoms.
Fulton Planes are high grade, well finished and easy to adjust. Faces are ground true. Castings are smooth, and working parts interchangeable. Cutters are of crucible steel. Carefully made and tempered to hold an edge.

\$3.55
Smooth Bottom.
EXCELLENT VALUES AT OUR PRICES.
FULTON IRON JACK PLANES.
14 inches long, 2-inch cutter.
9R5266—Smooth bottom. Weight, about 5 pounds. Price,**\$3.55**
9R5267—Corrugated bottom. Weight, about 5 pounds. Price,**3.80**

\$3.20 Smooth Bottom.
FULTON IRON SMOOTH PLANES.
9 inches long, 2-inch cutter.
9R5264—Smooth bottom. Wt., about 4 lbs. Price,**\$3.20**
9R5265—Corrugated bottom. Wt., about 4 lbs. Price,**3.40**
EXTRA IRONS FOR ABOVE PLANES.
9R5291—Single Plane Irons, 2-inch cutter. Price, each,**40c**
9R5292—Double Plane Irons, 2-inch cutter. Price, each,**70c**

MAHOGANY MORTISE AND MARKING GAUGE.
Screw slide, brass thumbscrew and steel points. Weight, about 5 ounces. 9R5507—Price,**60c**
Boxwood Marking Gauge.
Oval head, steel points and brass thumb screw. Weight, about 4 ounces. 9R5506—Price,**25c**

METAL POCKET BUTT GAUGE.
Light and convenient. Setting cutter at outer end of bar for gauging on edge of door automatically sets cutters at inner end of same bar for gauging from back of jamb. Second bar has steel cutter for gauging thickness of butt. Weight, about 10 ounces. 9R5504—Price,**95c**

ADJUSTABLE JOINTER GAUGE.
For iron planes. Quickly attached or removed. Enables operator to plane either square or bevels. Can also be used on wood planes by removing cams and using round head wood screws to fasten to plane. Weight, about 1½ pounds. 9R5320—Price, not including plane,**\$1.35**

FULTON WOOD BOTTOM BENCH PLANES

cible cast steel, properly tempered and sharpened ready for use. All Fulton Bench Planes have patent side adjustment for exact adjusting of cutters with face of plane. work equally well in hard or soft wood. Bottoms are made of selected air seasoned beechwood. Working parts are interchangeable. Cutters are made from crucible steel.

\$2.05 **\$2.45** **\$2.20** 2-In. Cutter. **\$2.45** **\$2.80** **\$3.25**
Fulton Wood Bottom Smooth Plane. 9R5274—8½ inches long, 1½-inch cutter. Weight, 3 pounds. Price,**\$2.05**
Fulton Wood Bottom Handled Smooth Plane. 9R5275—8½ inches long, 2-inch cutter. Weight, about 3½ pounds. Price,**\$2.45**
Fulton Wood Bottom Jack Plane. 9R5276—15 inches long, 2-15 inches long, 1-inch cutter. Wt., about 4½ lbs. Price,**\$2.20**
9R5277—15 inches long, 2-15 inches long, 1½-inch cutter. Wt., about 4½ lbs. Price,**\$2.45**
Fulton Wood Bottom Fore Plane. 9R5278—20 inches long, 2½-inch cutter. Weight, about 6 lbs. Price,**\$2.80**
Fulton Wood Bottom Jointer Plane. 9R5279—26 inches long, 2½-inch cutter. Weight, about 8 pounds. Price,**\$3.25**

Width of Cutter. 1½ in. 2 in. 2½ in. 3 in. 3½ in. 4 in. 4½ in. 5 in. 5½ in. 6 in. 6½ in. 7 in. 7½ in. 8 in. 8½ in. 9 in. 9½ in. 10 in. 10½ in. 11 in. 11½ in. 12 in. 12½ in. 13 in. 13½ in. 14 in. 14½ in. 15 in. 15½ in. 16 in. 16½ in. 17 in. 17½ in. 18 in. 18½ in. 19 in. 19½ in. 20 in. 20½ in. 21 in. 21½ in. 22 in. 22½ in. 23 in. 23½ in. 24 in. 24½ in. 25 in. 25½ in. 26 in. 26½ in. 27 in. 27½ in. 28 in. 28½ in. 29 in. 29½ in. 30 in. 30½ in. 31 in. 31½ in. 32 in. 32½ in. 33 in. 33½ in. 34 in. 34½ in. 35 in. 35½ in. 36 in. 36½ in. 37 in. 37½ in. 38 in. 38½ in. 39 in. 39½ in. 40 in. 40½ in. 41 in. 41½ in. 42 in. 42½ in. 43 in. 43½ in. 44 in. 44½ in. 45 in. 45½ in. 46 in. 46½ in. 47 in. 47½ in. 48 in. 48½ in. 49 in. 49½ in. 50 in. 50½ in. 51 in. 51½ in. 52 in. 52½ in. 53 in. 53½ in. 54 in. 54½ in. 55 in. 55½ in. 56 in. 56½ in. 57 in. 57½ in. 58 in. 58½ in. 59 in. 59½ in. 60 in. 60½ in. 61 in. 61½ in. 62 in. 62½ in. 63 in. 63½ in. 64 in. 64½ in. 65 in. 65½ in. 66 in. 66½ in. 67 in. 67½ in. 68 in. 68½ in. 69 in. 69½ in. 70 in. 70½ in. 71 in. 71½ in. 72 in. 72½ in. 73 in. 73½ in. 74 in. 74½ in. 75 in. 75½ in. 76 in. 76½ in. 77 in. 77½ in. 78 in. 78½ in. 79 in. 79½ in. 80 in. 80½ in. 81 in. 81½ in. 82 in. 82½ in. 83 in. 83½ in. 84 in. 84½ in. 85 in. 85½ in. 86 in. 86½ in. 87 in. 87½ in. 88 in. 88½ in. 89 in. 89½ in. 90 in. 90½ in. 91 in. 91½ in. 92 in. 92½ in. 93 in. 93½ in. 94 in. 94½ in. 95 in. 95½ in. 96 in. 96½ in. 97 in. 97½ in. 98 in. 98½ in. 99 in. 99½ in. 100 in. 100½ in. 101 in. 101½ in. 102 in. 102½ in. 103 in. 103½ in. 104 in. 104½ in. 105 in. 105½ in. 106 in. 106½ in. 107 in. 107½ in. 108 in. 108½ in. 109 in. 109½ in. 110 in. 110½ in. 111 in. 111½ in. 112 in. 112½ in. 113 in. 113½ in. 114 in. 114½ in. 115 in. 115½ in. 116 in. 116½ in. 117 in. 117½ in. 118 in. 118½ in. 119 in. 119½ in. 120 in. 120½ in. 121 in. 121½ in. 122 in. 122½ in. 123 in. 123½ in. 124 in. 124½ in. 125 in. 125½ in. 126 in. 126½ in. 127 in. 127½ in. 128 in. 128½ in. 129 in. 129½ in. 130 in. 130½ in. 131 in. 131½ in. 132 in. 132½ in. 133 in. 133½ in. 134 in. 134½ in. 135 in. 135½ in. 136 in. 136½ in. 137 in. 137½ in. 138 in. 138½ in. 139 in. 139½ in. 140 in. 140½ in. 141 in. 141½ in. 142 in. 142½ in. 143 in. 143½ in. 144 in. 144½ in. 145 in. 145½ in. 146 in. 146½ in. 147 in. 147½ in. 148 in. 148½ in. 149 in. 149½ in. 150 in. 150½ in. 151 in. 151½ in. 152 in. 152½ in. 153 in. 153½ in. 154 in. 154½ in. 155 in. 155½ in. 156 in. 156½ in. 157 in. 157½ in. 158 in. 158½ in. 159 in. 159½ in. 160 in. 160½ in. 161 in. 161½ in. 162 in. 162½ in. 163 in. 163½ in. 164 in. 164½ in. 165 in. 165½ in. 166 in. 166½ in. 167 in. 167½ in. 168 in. 168½ in. 169 in. 169½ in. 170 in. 170½ in. 171 in. 171½ in. 172 in. 172½ in. 173 in. 173½ in. 174 in. 174½ in. 175 in. 175½ in. 176 in. 176½ in. 177 in. 177½ in. 178 in. 178½ in. 179 in. 179½ in. 180 in. 180½ in. 181 in. 181½ in. 182 in. 182½ in. 183 in. 183½ in. 184 in. 184½ in. 185 in. 185½ in. 186 in. 186½ in. 187 in. 187½ in. 188 in. 188½ in. 189 in. 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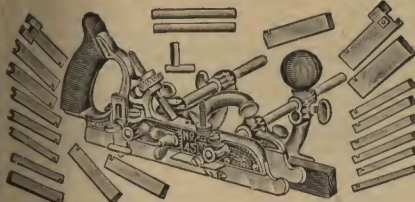
STANDARD
THE WORLD OVER.

STANLEY PLANES

HIGHEST
GRADE TOOLS.

Stanley's "Forty-Five" Plane.

\$11.55

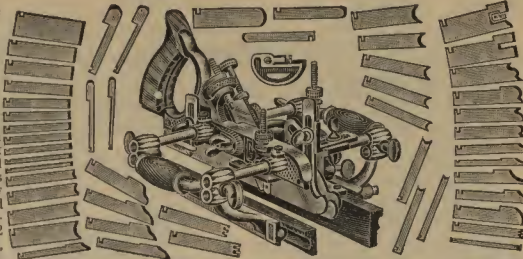


Seven tools in one; beading plane, plow, dado, rabbet, filletster and match plane, sash plane and slitting plane. Complete with 21 cutters. Weight, about 9 pounds.

9R5332—Price\$11.55

Stanley's "Fifty-Five" Plane.

\$22.80



Can be used as a beading, plow, dado, rabbet, filletster, match, sash and slitting plane. In addition to a molding plane, will take cutters of almost any shape and size. Complete with 52 cutters. Wt., abt. 15 lbs.

9R5334—Price\$22.80

Stanley No. 46 Plow, Dado, Filletster and Matching Plane.

\$7.95



Furnished with eight plow and dado bits, one filletster cutter and one slitting cutter, one tonguing tool. Plane is 10½ inches long. Wt., about 6 lbs.

9R5330—Price\$7.95

Stanley's Universal Handy Bearer No. 66.

For beading, reeding or fluting straight or irregular surfaces. Furnished with a square gauge for straight work and an oval gauge for curved work. Complete with eight cutters, sharpened at both ends, and a ¼-inch blank. Curved handles. Wt., about 1½ lbs.

9R5338—Price\$1.20

Stanley No. 62 Low Angle Jack Plane.

Designed for cutting across grain on heavy work or hardwood where more power is required than is obtained by the use of the ordinary block plane. 14 in. long, 2-inch cutter resting on its seat at an angle of 12 degrees. Adjustable throat and cutter. Weight, about 4 pounds.

9R5318—Price\$4.60

Bailey Iron Bench Planes With Corrugated Bottoms.

These well known planes have been in use for nearly fifty years and are the recognized standard for this type of tool. Cutters are of the thin type and are made from a fine quality of steel. Have both wheel and lever adjustment.

9R5306 \$360 9R5307 \$415 9R5308 \$530 9R5309 \$715



No. 4C Bailey Smooth Plane, 9 in. long, 2-in. cutter. Wt., about 4 lbs. Price.....\$3.60
No. 5C Bailey Jack Plane, 14 in. long, 2½ in. cutter. Wt., abt. 4 lbs. Price.....\$4.15
No. 6C Bailey Fore Plane, 18 in. long, 2½ in. cutter. Wt., about 8 lbs. Price.....\$5.30
No. 8C Bailey Jointer Plane, 24 in. long, 2½ in. cutter. Wt., about 9 lbs. Price.....\$7.15

Bailey Wood Bottom Bench Planes.

The bottom, handle and knob are made from selected seasoned hardwood. Cutters are made from steel, tempered, ground and honed ready for use, and are adjustable both sidewise and endwise.

9R5312 \$280 9R5313 \$285 9R5314 \$310 9R5315 \$360



No. 35 Bailey Hand-died Smooth Plane, 8½ in. long, 2-in. cutter. Wt., about 3½ lbs. Price.....\$2.80
No. 27 Bailey Jack Plane, 15 in. long, 2½ in. cutter. Wt., about 4 lbs. Price.....\$2.85
No. 29 Bailey Fore Plane, 20 in. long, 2½ in. cutter. Wt., about 4 lbs. Price.....\$3.10
No. 32 Bailey Jointer Plane, 26 in. long, 2½ in. cutter. Wt., about 8 lbs. Price.....\$3.60

Stanley Router Plane No. 71.

\$3.30



Has an open throat and is an improvement on the old style router. Furnished with a ¼ and ½ inch cutter. Length, 7½ inches. Weight, about 2½ pounds.

9R5336—Price.....\$3.30

\$2.20



STANLEY No. 140 RABBIT AND BLOCK PLANE.

A detachable side will easily change it from a rabbet plane. The cutter is adjustable endwise and is set on a skew. Length, 7 inches; 1½ inch cutter. Weight, about 1½ pounds.

9R5303—Price.....\$2.20

\$2.10

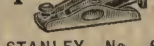


BAILEY No. 18 BLOCK PLANE.

Knuckle joint cap, adjustable throat and cutter. Length, 6 inches; 1½ inch cutter. Weight, about 1½ lbs.

9R5302—Price.....\$2.10

\$1.80



STANLEY No. 60 LOW ANGLE BLOCK PLANE.

Designed for working across the grain on hardwood. Adjustable throat and cutter. Length, 6 in.; 1½ in. cutter. Wt., about 1½ pounds.

9R5301—Price.....\$1.80

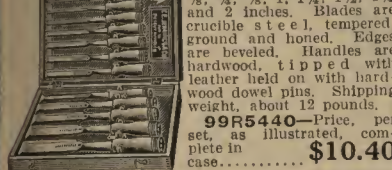
"ARROW HEAD BRAND."

MECHANICS' C. E. JENNINGS & CO.'S FINE TOOLS



Set of 12 Jennings Socket Firmer Chisels.

One each ¼, ⅜, ½, ¾, 1, 1½, 2, 2½, 3, 3½, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100.



99R5440—Price, per set, as illustrated, complete in case.....\$10.40



Handy assortment of small size tools, to meet the requirements of ordinary work to be done around the house. Size of case, 17x8½x6 inches. Shipping wt., about 20 pounds.

99R5458—Price, complete.....\$10.35



99R5222—Fitted with hardwood handles. Length cut, inches..... 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

99R5220—Fitted with hardwood handles. Length cut, inches..... 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

99R5220—Fitted with hardwood handles. Length cut, inches..... 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

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Jennings No. A7½ Narrow Blade Hand Saw.

Runs as easy and smooth as a fine saw worn narrow by use. The 26-inch size is 6 inches wide at butt and tapers to 1½ inches at point (other sizes in proportion). Ground thin on back. Have carved handle, and are fully guaranteed. Be sure to give length and point wanted.

9R5050—Jennings No. A7½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$1.65
24-inch Hand	8, 9 or 10	1½	1½	\$1.80
26-inch Hand	7, 8, 9 or 10	1½	1½	\$1.95

9R5051—Jennings No. A7½ Rip Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
26-inch Rip	5 or 6	1½	1½	\$2.00
28-inch Rip	4½, 5 or 5½	2	2	\$2.15

9R5052—Jennings No. 212 Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.60

9R5053—Jennings No. 212 Rip Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
26-inch Rip	5 or 6	2	2	\$2.60
28-inch Rip	4½, 5 or 5½	2	2	\$2.90

9R5054—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5055—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5056—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5057—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5058—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5059—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5060—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5061—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5062—Jennings No. A70½ Panel or Hand Saws.

Length	Points to Inch	Wt., Lbs.	About, Lbs.	Price
22-inch Panel	10, 11 or 12	1½	1½	\$2.20
24-inch Hand	8, 9 or 10	1½	1½	\$2.50
26-inch Hand	7, 8, 9 or 10	2	2	\$2.70

9R5063—Jennings No. A70½ Panel or Hand Saws.

Scroll Saw and Grinder Combined.

Has chuck for holding drill points. With each machine we furnish a 4x4-inch grinding wheel, twelve saw blades, wrench, sheet of designs and three drill points. Shipping wt., about 60 pounds.

99R5615—Price.....\$11.30

Shipping weight, about 80 lbs.

99R5616—Price.....\$11.30

Shipping weight, about 80 lbs.

99R5617—Price.....\$11.30



Invaluable for leveling foundations and walls, setting machinery, running lines, ditches, grading roads or hillsides. Instrument complete consists of upper plate with graduated arc divided by degrees, tripod, head, plumb bob and line. Adjustable in height from 2 feet 6 inches to 4 feet 6 inches. Sight tube, 12 inches long, is brass, with small eye opening at one end and usual cross wires at other. No magnetic needle or complicated mechanism about this instrument, and with the complete directions we furnish with each one, anyone can use it and get perfect results. Shipping wt., about 25 lbs. **995475—Complete in nicely finished wood box.....\$13.90**

For other leveling and surveying instruments write for Special Surveying Instrument Catalog

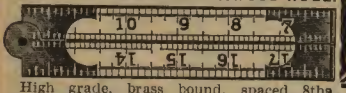


70c 995562 Adjustable to any carpenter's wood level. Affords a convenient and accurate means of leveling from one point to another. Weight, about 4 ounces. Price, per pair, sights only.....**70c**
995563—Level Sights, will fit any standard make iron level. Weight, about 4 ounces. Price, per pair.....**75c**

ZIGZAG SPRING JOINT RULES.



55c 995520 6-Ft. Yellow finish with black markings. Metal tips. Width, 5/8 inch. State length. Length, feet.... 3 4 5 6 8 Wt., about, oz.... 2 3 3 4 5 Price.....**25c 35c 45c 55c 70c**
TWO-FOOT FOUR-FOLD BOXWOOD RULE.



High grade, brass bound, spaced 8ths, 10ths and 16ths, with drafting scale. Width, closed, 1 1/2 inches. Weight, about 4 oz. **995516—Price.....79c**

ARCHITECTS' 2-FT. FOUR-FOLD RULE.

Arch joints and plates, inside edge beveled; spaced 8ths, 10ths, 12ths and 16ths, with drafting scale. Width, closed, 1 in. Weight, about 2 ounces. **995515—Price.....54c**

ONE-FOOT FOUR-FOLD CALIPER RULE.

A caliper and a rule, arch joints and full brass bound; spaced 8ths, 10ths, 12ths and 16ths. Width, closed, 7/8 inch. Weight, about 2 ounces. **995508—Price.....70c**

THREE-FOOT FOUR-FOLD RULE.

Arch joints and middle plates, spaced 8ths and 16ths. Width, closed, 1 in. Wt., abt. 2 oz. **995518—Price.....43c**

TWO-FT. FOUR-FOLD BOXWOOD RULES.

Square joints and edge plates, spaced 8ths, 10ths, 12ths and 16ths, with drafting scale. Width, closed, 1 in. Wt., abt. 2 oz. **995513—Price.....28c**
995514—Same as above, except full brass bound. Wt., about 3 oz. Price.....54c

70c STANLEY ODD JOBS.

Can be used for many an odd job a man with a hammer, a saw, a plane and one of these tools can do almost any ordinary job of carpentry. Complete with a 1-foot rule. Wt., about 10 oz. **995522—Price.....70c**

"THE CARPENTERS' PRIDE,"

Octagon shape pencil, 7 in. long. Wt., each, abt. 1 oz. **995487—Per dozen, 50c; each.....5c**

3 for 12c

Polished cedar pencil, 7 in. long. Weight, per package of three, about 2 ounces. **995486—Per dozen, 44c; 3 for.....12c**

\$1.25
3 1/2-INCH CUT
FULTON SHINGLING HATCHETS.

Weights of Hatchets Include Handles



995152
Cuts Abt., Weight, Abt.,
Inches Pounds
1 3/4 1 1/2
2 3/4 2 1/2
3 3/4 3 1/2

Fulton High Grade Hatchets

Made for mechanics' use, guaranteed satisfactory in material, workmanship and finish and sold at prices which are very low, considering the high quality. Forged from steel, with tempered heads and steel cutting bits. Handles, selected hickory, securely held with wedges. Weights given are weights of hatchets including handles. Be sure to state size wanted.

FULTON SPECIAL SHINGLING HATCHETS.

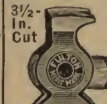
\$1.35
3 1/2-IN. CUT



Wt., Abt. 2 1/2 Lbs.
995154
Cuts In. About Price
1 3/4 \$1.35
2 3/4 1.45
3 3/4 1.55

CLAW HATCHETS.

\$1.35
3 1/2-IN. CUT



Wt., Abt. 2 1/2 Lbs.
995156
Cuts In. About Price
1 3/4 \$1.35
2 3/4 1.45
3 3/4 1.55

HALF HATCHETS.

\$1.30
3-IN. CUT



Wt., Abt. 2 Lbs.
995158
Cuts In. About Price
1 3/4 \$1.30
2 3/4 1.40
3 3/4 1.50

FULTON LATHING HATCHETS.

\$1.35
2 1/2-IN. CUT



Wt., Abt. 1 1/4 Lbs.
995161
Cuts In. About Price
1 3/4 \$1.35
2 3/4 1.40
3 3/4 1.50

HALF HATCHETS.

\$1.45
3-IN. CUT



Wt., Abt. 2 Lbs.
995159
Cuts In. About Price
1 3/4 \$1.45
2 3/4 1.55
3 3/4 1.65

FULTON CLIPPER (Haines Pattern) LATHING HATCHET.

\$1.80



Wt., Abt. 1 1/4 Lbs.
995162
Cuts In. About Price
1 3/4 \$1.80
2 3/4 1.90
3 3/4 2.00

FULTON CLIPPER (Underhill Pattern) LATHING HATCHET.

\$2.15



Wt., Abt. 1 1/4 Lbs.
995163
Cuts In. About Price
1 3/4 \$2.15
2 3/4 2.25
3 3/4 2.35

FULTON BROAD HATCHETS

Steel cutting bit, hickory handle. State size.
\$1.50
Size 2. Cuts abt. 4 1/2 in. Wt., abt. 2 1/2 lbs. Price, \$1.50
Size 3. Cuts abt. 5 in. Wt., abt. 3 lbs. Price, \$1.70
Size 4. Cuts abt. 5 1/2 in. Wt., abt. 3 1/2 lbs. Price, \$1.95
Size 5. Cuts abt. 6 in. Wt., abt. 4 lbs. Price, \$2.20

BROAD HATCHET HANDLES.
Seasoned hickory, smoothly finished. State length.
Length, inches.....16 17 18
Weight, each, about, ounces.....9 10 11
995150—Price, each.....8c 9c 10c

\$1.85 ADJUSTABLE SOLID CHERRY PLUMB AND LEVEL.



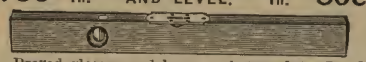
Graduated plumb is instantly adjustable to any angle. Invaluable for cutting rafters, etc. Has brass arch top plate, brass lipped side views and heavy solid brass ends. **995550—Length, 28 inches. Weight, about 2 1/2 pounds. Price.....\$1.85**

WARPPROOF ADJUSTABLE PLUMB AND LEVEL.

\$1.70
28 in.

Made of three pieces of cherry glued together. Brass arch top plates, brass lipped side views, and brass ends. Proved adjustable glasses. State length. Length, inches.....26 28 30
Weight, about, lbs.... 2 1/2 2 3/4 3 1/4
995548—Price.....\$1.65 \$1.70 \$1.75

75c 28 CHERRY PLUMB 30 in. 80c



Proved glasses and brass arch top plate. Level glass has side views. State length. Length, inches.....26 28 30
Weight, about, pounds.....2 1/2 2 3/4 3 1/4
995546—Price.....70c 75c 80c

MAHOGANY FINISHED ADJUSTABLE PLUMB AND LEVEL.

\$1.35
28 in.

Proved adjustable glasses, has side views, brass arch top plate and brass ends. State length. Length, inches.....26 28 30
Weight, about, lbs.... 2 1/2 2 3/4 3 1/4
995547—Price.....\$1.30 \$1.35 \$1.40

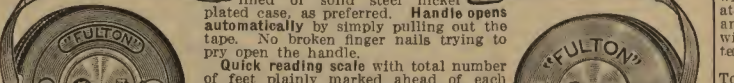
ADJUSTABLE CHERRY PLUMB AND LEVEL WITH EXTENSION LEVEL SIGHTS.

\$2.20

Sights rise up automatically by pressing the button, and are pushed down flush with top of level when not in use. Brass arch top plate, brass lipped side views and brass ends. Length, 28 inches. Weight, about 3 pounds. **995551—Price.....\$2.20**

\$3.20 FULTON QUICK READING STEEL TAPES.

High grade and well finished tapes. In solid leather metal lined or solid steel nickel plated case, as preferred. Handle opens automatically by simply pulling out the tape. No broken finger nails trying to pry open the handle.



Quick reading scale with total number of feet plainly marked ahead of each inch figure, gives you measurement at a glance. Tape is marked in feet, inches and eighths.
995968—Fulton Quick Reading Steel Tape in solid leather metal lined case. State length wanted.
Length, ft.... 25 50 75 100
Wt., abt., lbs. 1 1/2 3 4 5 1 1/2
Price, each.....\$2.65 \$3.20 \$3.75 \$4.60

25-Ft. Lengths, \$2.85

FULTON CONTRACTORS' AND BUILDERS' QUICK READING TAPES.

Exactly same as tapes listed above except with an eyelet at first foot, swivel joint at ninth foot, swivel joint at nineteenth foot and an eyelet at twenty-fifth foot for forming a section of tape perfect right angle (see illustration) for squaring showing swivel furnished with each tape.

995965—In nickel plated solid steel case. State length wanted.
Length, ft.... 25 50 75 100
Wt., abt., lbs. 1 1/2 3 4 5 1 1/2
Price, each.....\$2.35 \$2.75 \$3.35 \$4.15

HATCHET HANDLES.

Seasoned hickory, properly shaped, smoothly finished. Length, 14 inches. Weight, each, about 4 ounces. **995149—Price, each.....6c**

CARPENTERS' FULTON ADZES.

Cutting bits of steel, carefully tempered. Take a keen edge. Price does not include handle. State width.

Width cut, abt., in. 3 1/2 4 4 1/2
Weight, about, lbs.... 4 4 4 4
995168—Price.....\$2.15 \$2.20 \$2.25

CARPENTERS' ADZE HANDLE.

Straight grain seasoned stock properly shaped, smoothly finished. 34 inches long. Weight, about 1 1/2 lbs. **995737—Price.....26c**

STANLEY No. 37 METAL-LIC PLUMB AND LEVEL.

\$3.80
24 in.

Top and bottom are milled and ground to insure parallel surfaces. Ground glasses are set in metal case with cover which can be turned so as to completely protect glasses when not in use. State length. Length, about, inches.....18 24
Weight, about, pounds.....4 5
995555—Price, each.....\$3.20 \$3.80

ADJUSTABLE IRON PLUMB AND LEVEL.

\$3.50
24 in.

Top, bottom and ends ground true, two plumbs, 2 inches wide. State length. Length, about, inches.....18 24
Weight, about, lbs.... 4 5
995554—Price.....\$2.60 \$3.10 \$3.50

MASONS' PLUMB AND LEVEL.

\$1.35

Has brass arch top plate and is adapted for use with a plumb bob and line. Level glass is adjustable and has side views. Length, 42 inches. Wt., about 2 1/2 pounds. **995553—Price.....\$1.35**

MECHANICS' TAPE.

Has black imitation leather case with tape 1/2 inch wide. Tape graduated in feet, inches and 1/4 in. Woven with threads extending full length. To measure, ft. 50 100
Wt., about, oz. 6 9
Price.....90c \$1.35

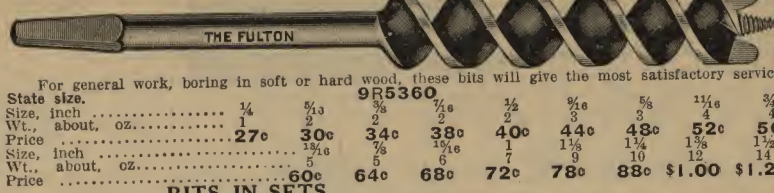
MECHANICS' STANDARD TAPES.

Brass bound enameled steel case, 1/2 inch cotton tape. Marked in feet, inches and 1/4 inches. State length. **995962**
Measure, Wt., Abt.,
Feet Price
25 35c
50 45c
75 65c
100 80c

POCKET STEEL TAPES.

Nickel plated steel case, spring wind with stop, 1/4 inch tape marked inches and sixteenths. **995963**
To measure, ft. 3 5 6 10 12
Wt., oz. 2 3 3 4 4
Price.....40c 50c 65c 85c \$1.25

27c to \$1.20 Fulton Jennings Pattern Extension Lip Auger Bits



For general work, boring in soft or hard wood, these bits will give the most satisfactory service.

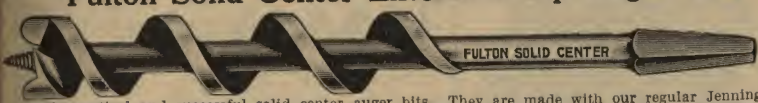
State size.	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Size, inch.....	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Wt., about, oz.....	27	30	34	38	40	44	48	52	56
Price.....	27c	30c	34c	38c	40c	44c	48c	52c	56c
Size, inch.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2
Wt., about, oz.....	60	64	68	72	78	88	100	110	120
Price.....	60c	64c	68c	72c	78c	88c	100c	110c	120c

9R5362—Set of Six. One each size, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 3 1/2 pounds. Price, per set, in box.....**\$3.15**

9R5363—Set of Eight. One each size, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 3 1/2 pounds. Price, per set, in box.....**\$4.00**

9R5364—Set of Thirteen. One each size, 1/4 to 1 inch. Weight, about 4 1/2 pounds. Price, per set, in box.....**\$6.60**

Fulton Solid Center Extension Lip Auger Bits 28c to 76c



Good, practical and successful solid center auger bits. They are made with our regular Jennings pattern extension lip double cut head on a forged steel solid center body or twist. State size wanted.

State size.	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Size, inch.....	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Wt., about, oz.....	28	32	36	40	44	48	52	56	60
Price.....	28c	32c	36c	40c	44c	48c	52c	56c	60c
Size, inch.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2
Wt., about, oz.....	64	68	72	76	80	84	88	92	96
Price.....	64c	68c	72c	76c	80c	84c	88c	92c	96c

9R5370—Set of Six. One each size, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 3 1/2 pounds. Price, per set, in box.....**\$3.25**

9R5371—Set of Eight. One each size, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 3 1/2 pounds. Price, per set, in box.....**\$4.20**

9R5372—Set of Thirteen. One each size, 1/4 to 1 inch. Weight, about 4 1/2 pounds. Price, per set, in box.....**\$7.10**

29c to 77c Fulton Special Single Twist Extension Lip Auger Bits.

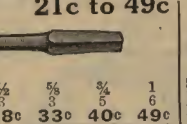
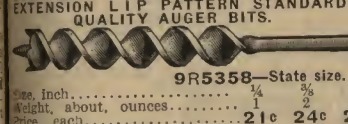


9R5385—Set of Six. One each size, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 3 1/2 pounds. Price, per set, in box.....**\$3.30**

9R5386—Set of Eight. One each size, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 3 1/2 pounds. Price, per set, in box.....**\$4.30**

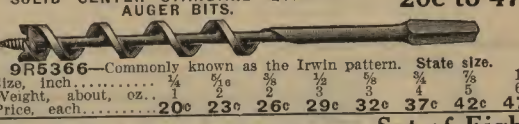
9R5387—Set of Thirteen. One each size, 1/4 to 1 inch. Weight, about 4 1/2 pounds. Price, per set, in box.....**\$7.20**

Standard Quality Auger Bits. 21c to 49c

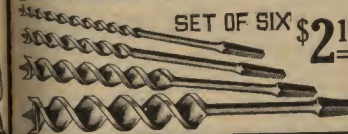


9R5358—State size. Size, inch..... 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1. Wt., about, oz..... 21, 24, 28, 33, 40, 49. Price..... 21c, 24c, 28c, 33c, 40c, 49c.

9R5359—One each, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1. Wt., about 1 1/4 pounds. Price, per set.....**\$2.10**



9R5366—Commonly known as the Irvin pattern. State size. Size, inch..... 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1. Wt., about, oz..... 20, 23, 26, 29, 32, 37, 42, 47. Price..... 20c, 23c, 26c, 29c, 32c, 37c, 42c, 47c.



Ship Auger Car Bits. 78c to \$2.04

9R5377—Original Watrous Pattern, with new length of twist, about 12 inches. State size.

Size	Weight, About	Price
1/4 in.	3 oz.	\$0.78
5/16 in.	4 oz.	.82
3/8 in.	5 oz.	.86
7/16 in.	6 oz.	.90
1/2 in.	7 oz.	.94
5/8 in.	9 oz.	1.06
3/4 in.	10 oz.	1.12
7/8 in.	11 oz.	1.18
1 in.	14 oz.	1.24
1 1/4 in.	1 lb.	1.30
1 1/2 in.	1 1/4 lbs.	1.56
1 3/4 in.	1 1/2 lbs.	1.72
2 in.	1 3/4 lbs.	1.88
2 1/4 in.	2 lbs.	2.04

Ship Auger Bits. 44c to \$1.08

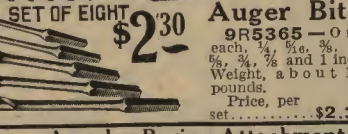
9R5376—Original Watrous Pattern, with screws. 4 to 5-inch twists. State size.

Size, inch.....	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Wt., about, oz.....	44	48	52	56	60	64	68	72	76
Price.....	44c	48c	52c	56c	60c	64c	68c	72c	76c
Size, inch.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2
Wt., about, oz.....	5	5	5	6	7	10	10	10	10
Price.....	68c	72c	76c	84c	92c	1.00	1.08		

Nickel Plated Bit Gauge. 30c

Gauges exactly depth of hole. Fits any size bit. Weight, about 2 ounces.

9R5420—Price, without bit.....**30c**



Set of Eight Solid Center Auger Bits. \$2.30

9R5393—Set of seven bits, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1 inch. Put up in hardwood box. Weight, about 3 pounds. Price, per set.....**\$4.10**

9R5394—Full set of thirteen bits, 1/4 to 1 inch. Put up in hardwood box. Weight, about 4 1/2 lbs. Price, per set.....**\$7.20**

9R5395—Set of seven bits, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1 inch. Put up in hardwood box. Weight, about 3 pounds. Price, per set.....**\$4.10**

9R5396—Full set of thirteen bits, 1/4 to 1 inch. Put up in hardwood box. Weight, about 4 1/2 lbs. Price, per set.....**\$7.20**

9R5400—Price, per set.....**\$2.85**

9R5401—Price, per set.....**\$2.85**

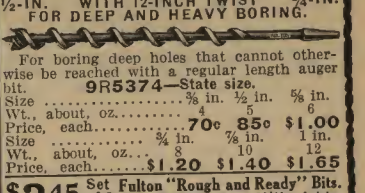
9R5402—Price, per set.....**\$2.30**

9R5403—Price, per set.....**\$2.30**

9R5404—Price, per set.....**\$2.30**

9R5405—Price, per set.....**\$2.30**

85c Fulton Solid Center Long Shank Auger Bits. \$1.20



For boring deep holes that cannot otherwise be reached with a regular length auger bit. State size.

Size, inch.....	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Wt., about, oz.....	4	5	6	7	8	9	10	11	12
Price, each.....	70c	85c	1.00	1.10	1.20	1.30	1.40	1.50	1.60
Size, inch.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2
Wt., about, oz.....	12	14	16	18	20	22	24	26	28
Price, each.....	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80

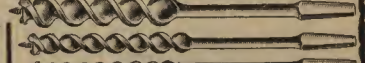
\$3.45 Set Fulton "Rough and Ready" Bits. 6 For Farm Use. Millwrights, Linemen, Electricians, Etc.

Has the same twist as our Fulton Special 9R5384, but is left entirely black and has no spurs. Particularly designed for hard, rough work. Has no spurs to break off, and will stand all kinds of hard usage.

9R5380—Set of six, one each, 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch, in hardwood case. Weight, about 2 1/4 pounds. Price, per set.....**\$3.45**

9R5379—State size. Size, inch..... 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1. Wt., about, oz..... 35, 40, 45, 50, 60, 75. Price, each..... 35c, 40c, 45c, 50c, 60c, 75c.

Set of 4 Common Pattern Auger Bits.



One each; 1/4, 5/16, 3/8, 7/16, 1/2 and 1 inch. Weight, about 10 ounces. Price, per set.....**74c**

\$4.10 Russell Jennings Auger Bits in Sets.

Set of 7. Standard for Quality Since 1855. Cost a little more, but many good mechanics demand them and will have no other.



Special.



Regular.

Illustration shows full set of thirteen bits in patent hardwood box.

SPECIAL—Single or coarse thread for quick boring.

9R5393—Set of seven bits, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1 inch. Put up in hardwood box. Weight, about 3 pounds. Price, per set.....**\$4.10**

9R5394—Full set of thirteen bits, 1/4 to 1 inch. Put up in hardwood box. Weight, about 4 1/2 lbs. Price, per set.....**\$7.20**

9R5395—Set of seven bits, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1 inch. Put up in hardwood box. Weight, about 3 pounds. Price, per set.....**\$4.10**

9R5396—Full set of thirteen bits, 1/4 to 1 inch. Put up in hardwood box. Weight, about 4 1/2 lbs. Price, per set.....**\$7.20**

9R5400—Price, per set.....**\$2.85**

9R5401—Price, per set.....**\$2.85**

9R5402—Price, per set.....**\$2.30**

9R5403—Price, per set.....**\$2.30**

9R5404—Price, per set.....**\$2.30**

9R5405—Price, per set.....**\$2.30**

9R5406—Price, per set.....**\$2.30**

9R5407—Price, per set.....**\$2.30**

Small Size, \$1.80 Steers' Patent Expansive Bits

Stock or holder is drop forged. Cutters held firmly by micrometer adjusting screws.

9R5407—Small size, with two cutters, one cutting from 1/4 to 1 1/4 inches, the other from 1 1/4 to 1 3/4 inches. Length, 8 inches. Weight, about 8 ounces. Price, with case.....**\$1.80**

9R5408—Large size, with two cutters, one cutting from 1/4 to 1 1/4 inches, the other from 1 1/4 to 1 3/4 inches. Length, 9 1/2 inches. Weight, about 9 ounces. Price, with case.....**\$2.10**

9R5409—Extra Cutters, for small size. Weight, about 1 ounce each. State size.

Size	Weight, About	Price
Size 1 cuts from 1/4 to 1 1/4 inches. Each.....	35c	
Size 2 cuts from 1/4 to 1 1/4 inches. Each.....	40c	
Size 3 cuts from 1/4 to 1 1/4 inches. Each.....	45c	
Size 4 cuts from 1/4 to 1 1/4 inches. Each.....	50c	
Size 5 cuts from 1/4 to 1 1/4 inches. Each.....	55c	

Fulton Clark's Pattern Expansive Bits.

Bore holes of any diameter between sizes mentioned. Cutters are made of tool steel, properly tempered.

9R5402—Small size, with two cutters, one boring from 1/4 to 1 1/4 inches, the other from 1 1/4 to 1 3/4 inches. Price.....**\$1.15**

9R5403—Large size, with two cutters, one boring from 1/4 to 1 1/4 inches, the other from 1 1/4 to 1 3/4 inches. Price.....**\$1.60**

9R5404—Extra Cutters only, for small size. State size.

Size	Cuts From	Wt., About	Price
1	1/4 to 1/2 in.	1 oz.	13c
2	1/2 to 3/4 in.	1 oz.	23c
3	3/4 to 1 in.	1 oz.	23c
4	1 to 1 1/4 in.	1 oz.	30c
5	1 1/4 to 1 3/4 in.	1 oz.	37c
6	1 3/4 to 2 in.	1 oz.	52c

9R5406—Extra Cutters only, for large size. State size.

Size	Cuts From	Wt., About	Price
1	1/4 to 1/2 in.	1 oz.	13c
2	1/2 to 3/4 in.	1 oz.	23c
3	3/4 to 1 in.	1 oz.	23c
4	1 to 1 1/4 in.	1 oz.	30c
5	1 1/4 to 1 3/4 in.	1 oz.	37c
6	1 3/4 to 2 in.	1 oz.	52c

Extension Bit Holder. 90c

For boring deep holes or in any place that cannot be reached with an ordinary bit. Will follow into a hole 1/2 inch or larger. State size.

Length, inches.....	12	18	24
Weight, about, oz.....	9	12	16
Price.....	90c	\$1.10	\$1.35

\$1.70 BORING SET.

Consists of one 3/8-inch wood boring brace drill, one each 1/4 and 3/8-inch Fulton solid center bits, and one Clark's pattern Fulton expansive bit, cutting from 1/4 to 1 1/4 in. Will bore any size hole from 1/4 to 1 1/4 in. High quality tools in handy roll. Weight, about 9 ounces.

9R5398 Per set.....**\$1.70**

Bricklayers', Stonemasons', Plasterers' and Cement Workers' Tools

90c 10 1/2-IN. **\$1.00 12-IN.**

Celebrated Cincinnati Pattern Plastering Trowels. Made of tempered steel, ground smooth. State size.

9R5891
Size, inches.....10 1/2 11 12
Weight, about, lb.. 1 1 1
Price.....90c 95c \$1.00

45c 10-IN.

Plastering Trowels. Made of tempered steel, ground smooth. State size.

9R5890
Size, inches.....10 10 1/2 11 12
Weight, about, lb.. 3/4 1 1 1 1
Price.....45c 50c 55c 60c

\$2.15

Plasterers' Aluminum Hawk. **9R5893**
Size, 13 1/2 x 13 1/2 inches. Weight, about 2 pounds. Price...\$2.15

80c

Plasterers' Wood Hawk. **9R5892**
Size, 13 1/2 in. square. Wt., about 2 lbs. Price.....80c

9R5894
Size, Wt., Abt.
About 18 in. 3 1/2 lbs. \$3.00
20 in. 4 1/2 lbs. 3 3/5
24 in. 6 1/2 lbs. 3 7/5

9R5912
Wt., Abt.
About 18 in. 3 1/2 lbs. \$3.00
20 in. 4 1/2 lbs. 3 3/5
24 in. 6 1/2 lbs. 3 7/5

\$1.10 10-IN.

LEATHER HANDLE, BROAD PATTERN TROWELS.

A good strong trowel for bricklayers. Hammered from steel, specially tempered and ground. Fully guaranteed. 11-inch size about 6 inches wide, other sizes in proportion. State size. Wt., about 1 lb. each.

Size, inches.....10 10 1/2 11
9R5889—Price...\$1.10 \$1.20 \$1.30

90c 10-INCH

PHILADELPHIA PATTERN TROWELS.

Hammered from tough steel, thick at heel, thinner toward point. Well balanced, ground smooth and fully guaranteed. State size. Weight, about 1 pound each.

Size, inches.....10 10 1/2 11
9R5888—Price.....90c 95c \$1.00

50c 10-IN. **28c 6-IN.**

BRICK TROWELS. Hammered from steel, ground smooth and well shaped. State size. Weight, about 1 lb. each.

9R5887
Size Price
10 in. 50c
10 1/2 in. 55c
11 in. 60c

POINTING TROWELS. Made of steel, ground smooth and well shaped. State size. Wt., about 3 oz.

9R5886
Size Price
4 in. 20c
5 in. 24c
6 in. 28c

1 Six-Tube Revolving Punch.
1 No. 8 Rivet Set.
5 S Wrenches, take nuts on bolts from 3/8 to 1 1/2 inches.
1 Alligator Wrench and Thread Cleaner.
1 Screwdriver, 4-inch.
1 Screwdriver, 8-inch.
1 Pair Combination Pliers, 6-in.

1 Pair Combination Fence Pliers.
1 10-Inch Mill File.
1 6-Inch Slim Taper File.
1 Cold Chisel, 3/4-inch.
1 Machinists' Hammer, 1 lb.
1 Rivet Punch.
1 File Handle.
Weight, about 11 pounds.

9R5813—Price, complete in canvas roll, as illustrated...\$5.10

9R5813—Price, complete in canvas roll, as illustrated...\$5.10

CAST IRON TAMPERS.
99R5580
Well balanced. Handle, 4 feet long. Size, 8x8 in. Shpg. wt., abt. 20 lbs. Price...\$1.15

99R5581
Size, 10x10 in. Shpg. wt., abt. 25 lbs. Price...\$1.55

A VERY SUBSTANTIAL TAMPER.
\$1.15 8x8-INCH

40c

RADIUS TOOL.
Made of iron. Used in laying out circles or corners. 1/2-inch radius. Weight, about 8 ounces.
9R5902
Price....40c

\$3.30

SIDEWALK OR DOT ROLLERS.
For indenting or roughing sidewalks. Milled and well finished. Size, about 3 1/4 inches diameter by 9 1/4 inches long.
9R5897
Made of iron, milled and ground. Wt., abt. 8 lbs. Price...\$3.30
9R5898—Solid bronze roller. Will outlast several iron rollers. Weight, about 9 lbs. Price...\$9.35

45c **DRIVEWAY GROOVERS.** Iron. **9R5900**
Nickel plated iron. Size, about 5 1/4 in. long, 2 1/2 in. wide. Wt., about 1 1/2 lbs. Price.....45c

45c **SIDEWALK CENTERS.** Iron. **9R5903**
Nickel plated iron. Size, about 6 inches long, 2 1/2 in. wide. Weight, about 1 1/2 lbs. Price.....45c

9R5901
Solid bronze. Size, about 5 1/4 in. long, 2 1/2 in. wide. Wt., about 1 1/2 pounds. Price.....\$1.10

9R5904
Solid bronze. Size, about 6 in. long, 2 1/2 in. wide. Wt., about 1 1/2 lbs. Price...\$1.10

45c **SIDEWALK EDGERS.** and Up. **9R5907**
Nickel plated iron. Size, about 5 1/4 in. long, 2 1/2 in. wide. Wt., each, 1 1/2 lbs. Price.....45c

50c **SIDEWALK GROOVERS.** Iron. **9R5905**
Nickel plated iron. Size, about 5 1/4 in. long, 2 1/2 in. wide. Wt., about 1 1/2 lbs. Price.....50c

9R5906
Solid bronze metal. Size, about 5 1/4 in. long, 2 1/2 in. wide. Wt., about 1 1/2 lbs. Price.....\$1.10

BRICK HAMMER.

Drop forged steel, well shaped, properly balanced and evenly tempered. Tapered thin. Length, about 9 1/2 inches. 11-inch handle. Weight, about 2 pounds.
9R5910—With handle...\$1.15

65c **BRICK CHISEL OR BOLSTER.**
Forged steel, hardened and tempered. 3/4-in. handle. Blade about 3 1/2 in. wide. Lgh., about 6 1/2 in. Wt., about 1 1/2 lbs.
9R5909
Price.....65c

55c **STEEL CORNER TROWEL.**
Ground and polished. Length, about 6 inches. Weight, about 1 pound.
9R5895
Price.....55c

49c 1/2-IN.

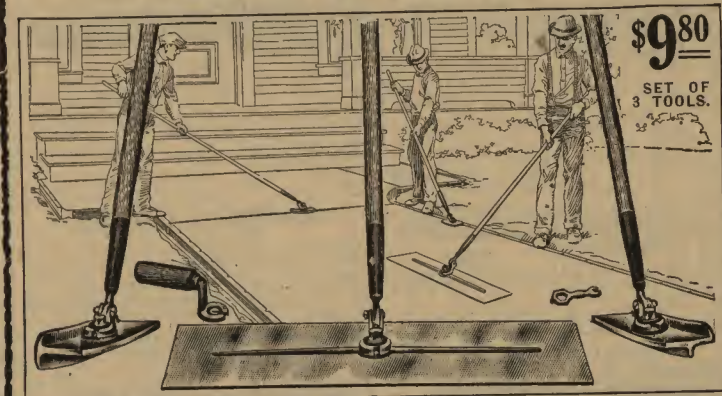
TUCK POINTING TOOLS.
For pointing or beading brick, stone or cement walls. State size.
9R5899
Price.....49c

45c 3/4-IN.

BRICK OR STONE DRILL.
Forged from steel. Length, about 12 in. State size.
9R5911
Diameter Weight, About Price
3/4 in. 4 oz. 30c
1 in. 6 oz. 35c
1 1/4 in. 8 oz. 40c
1 1/2 in. 1 lb. 45c

Genuine Arrowsmith LONG HANDLE Cement Workers' Tools

INCREASE OUTPUT—SAVE MAN POWER.



Efficient, sensible, these long handle cement workers' tools enable the workman to stand in a comfortable upright position while at work, thus conserving his energy and increasing his output. The old style short handle cement tools are imitations of plasterers' and bricklayers' tools which cannot be conveniently used by the cement worker, as they necessitate his getting down on all fours like a scrubwoman, thus hampering his work and cutting down his output.

Why continue to work in an uncomfortable, hand-capped position when by using these modern long handle tools you can not only be comfortable, but can accomplish more work with less effort?

Tools are well made throughout. Handles are 6 feet long, adjustable to any height and can be set to any angle. Trowel made of tempered steel, jointer and edger made of iron, nickel plated. Set includes one 24-inch trowel, one jointer, one edger, three long handles, one short handle and one wrench, as illustrated. Shipping weight, per set, about 14 pounds.

99R5582—Price, per set.....\$9.80

99R5577
Edger only with one long handle, one short handle and wrench. Shipping wt., about 5 pounds. Price.....\$3.00

99R5579
Trowel only with one long handle, one short handle and wrench. Shipping weight, abt. 5 pounds. Price.....\$5.00

99R5578
Jointer only with one long handle, one short handle and wrench. Shipping wt., about 5 pounds. Price.....\$3.00

\$1.00 **9R5914** **9R5915**
and Up. **SPALLING HAMMERS.**
Made of steel, without handles. Single and double same price. State weight.

9R5914—Single Face. **9R5915**—Double Face.
Wt. Price
About 3 1/2 lbs. \$1.00
4 lbs. 1.15
5 lbs. 1.30

6 lbs. \$1.45
8 lbs. 1.75
10 lbs. 2.05

\$1.20 **STONE SLEDGES.**
and Up. Made of steel, without handles. State weight.

9R5917
Wt., abt. 8 lbs. \$1.20
10 lbs. 1.50
12 lbs. 1.80
14 lbs. 2.10
16 lbs. 2.40

80c **STRIKING HAMMERS.**
and Up. Made of steel, without handles. State weight.

9R5913
Wt., Price
About 3 1/2 lbs. \$0.80
4 lbs. 1.00
5 lbs. 1.05
6 lbs. 1.10
8 lbs. 1.25
9 lbs. 1.40

\$1.15 **MASONS' HAMMERS.**
and Up. Made of steel, without handles. State weight.

9R5916
Wt., Price
About 3 1/2 lbs. \$1.15
4 lbs. 1.30
About 4 1/2 lbs. 1.45

FOR HANDLES TO FIT ABOVE HAMMERS SEE PAGE 1089.

9-Piece Handy Kit. \$2.80

7-Piece Tool Kit. \$2.10

Our 9-piece outfit contains three drop forged steel double head wrenches, 5/8, 6/8 and 8/8 inches long; Champion pattern screwdriver with 5-in. steel blade; flat mill saw file, 8 in.; machinists' forged steel hammer, 1 pound; button pattern steel pliers, 8 in. long; steel cold chisel, 3/4-in. cut, and steel punch, 5 in. long. Nine high quality tools, every one guaranteed, in canvas roll. Weight, about 5 pounds.

9R5811—Price, complete.....\$2.80

9R5810
Price, complete with roll, \$2.10

Combination Vise and Anvil With Jaws for Holding Pipe. \$1.55

FOR OTHER PIPE VISES SEE PAGE 1092.

A useful tool for light work on the farm. Jaws are 3 inches wide and open about 3 inches. Lag screws furnished for fastening to bench. Shipping wt., about 25 pounds.

9R5270—Price.....\$1.55

ADJUSTABLE "S" WRENCHES.

85c 8-Inch



Malleable iron wrenches of this style have been standard the world over for many years. State size wanted.

9R5823

Size, inches...	6	8	10	12	14
Opens, abt., in. 3/4	1	1 1/4	1 3/4	1 3/4	2
Wt., about, lbs. 1/2	1	1 1/4	1 3/4	1 3/4	2
Price	70c	85c	\$1.05	\$1.30	\$1.70

DROP FORGED WRENCH. 92c 8-Inch

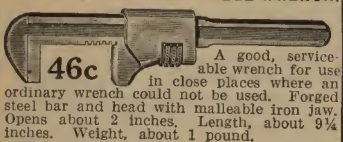


For use on hexagon or square nuts. Has angle head that makes it handy for use about machinery and in other close places. State size wanted.

9R5822

Size, inches...	6	8	10	12
Opens, about in. 5/8	1	1 1/4	1 3/4	1 3/4
Weight, about, lbs. 1/2	1	1 1/4	1 3/4	1 3/4
Price	74c	92c	\$1.20	\$1.45

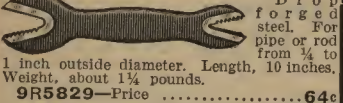
"AUTO" MODEL ADJUSTABLE WRENCH.



A good, serviceable wrench for use in close places where an ordinary wrench could not be used. Forged steel bar and head with malleable iron jaw. Opens about 2 inches. Length, about 9 1/4 inches. Weight, about 1 pound.

9R5826—Price 46c

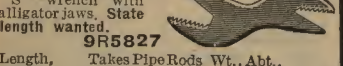
TWIN ALLIGATOR WRENCH. 64c



Drop forged steel. For pipe or rod 1 inch outside diameter. Length, 10 inches. Weight, about 1 1/4 pounds.

9R5829—Price 64c

ALWAYS READY WRENCHES. 45c 6 1/2-In.

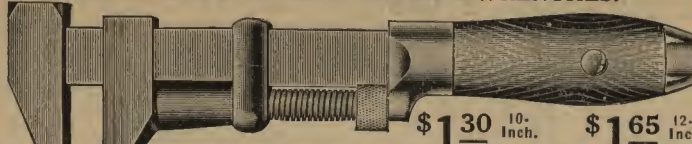


Drop forged steel "S" wrench with alligator jaws. State length wanted.

9R5827

Length, inches	Takes Pipe Rods or Nuts, Inches	Wt., Abt., Lbs.	Price
5	From 1/4 to 3/4	1 1/2	30c
6 1/2	From 1/4 to 1 1/4	1	45c
9 1/4	From 1/4 to 1 3/4	2	65c
11	From 1/4 to 2	3	95c

COES KNIFE HANDLE MONKEY WRENCHES.



\$1.30 10-Inch. \$1.65 12-Inch.

For Full Line of Pipe Wrenches See Page 1093.

Coes standard dependable wrenches at money saving prices on every size. Used by high grade workmen everywhere and fully guaranteed by us. State size wanted.

9R5820

Size, 6 in.	Size, 8 in.	Size, 10 in.	Size, 12 in.	Size, 15 in.	Size, 18 in.	Size, 21 in.
Opens about 1 1/4 in. Wt., about 1 1/2 lbs.	Opens about 1 3/4 in. Wt., about 1 3/4 lbs.	Opens about 2 1/4 in. Wt., about 2 1/4 lbs.	Opens about 2 3/4 in. Wt., about 2 3/4 lbs.	Opens about 3 1/2 in. Wt., about 3 1/2 lbs.	Opens about 4 1/2 in. Wt., about 4 1/2 lbs.	Opens about 5 1/2 in. Wt., about 5 1/2 lbs.
Price, 90c	Price, \$1.10	Price, \$1.30	Price, \$1.65	Price, \$2.25	Price, \$2.95	Price, \$3.65

L. COES STEEL HANDLE MONKEY WRENCHES. \$1.65 12-Inch.



Same high quality as Coes knife handle wrenches above, but with steel handle riveted on. For plumbers' and machinists' heavy work. State size wanted.

9R5819

Size, inches.....	12	15	18	21
Opens about, in. 2¼	2½	3	3½	4
Wt., about, lbs. 4	6	8	11	14
Price	\$1.65	\$2.25	\$2.95	\$3.65



9R5818 78c 10-Inch

Size, about, in.	6	8	10	12	15
Jaws open, abt., in. 1	1 1/4	1 3/4	2	2 1/4	2 3/4
Wt., about, lbs.	3	4	6	8	11
Price	49c	66c	78c	96c	\$1.30

Socket Wrench Set. \$2.85



A set consisting of T head handle, offset handle and fourteen hardened socket wrenches fitting hexagon nuts from 1/2 inch to 1 3/4 inches outside measurements, that will be found useful by every engineer, machinist and automobile user. Each set packed in hardwood case. Shipping weight, about 5 pounds.

9R5425—Price, per set.....\$2.85

SURE GRIP WRENCHES. \$1.65 12-Inch.



A modern pattern screw wrench with large nut threaded directly on the bar of wrench, giving great pressure on the jaws. A type of wrench preferred by many good mechanics. State size wanted.

9R5821

Size, inches...	8	10	12	15	18
Opens, abt., in. 1 1/2	1 3/4	2 1/4	2 3/4	3 1/4	4
Wt., abt., lbs. 1	1 1/4	2	2 1/4	3 1/4	4
Price	\$1.15	\$1.30	\$1.65	\$2.15	\$2.95

Steel Monkey Wrenches.

Every year our low prices sell many thousands of these standard quality monkey wrenches with heavy bar, hardened head and jaw and hardwood handle. We recommend the 10-inch and 12-inch sizes for use about the farm or shop. When ordering be sure to state size wanted.

Reversible Ratchet Socket Wrench Set. \$1.85

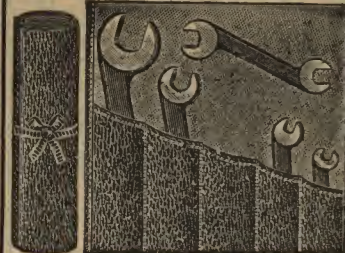


Very convenient for use in tightening up the rods on a silo and also a handy general utility wrench set for use in places where a ratchet wrench is needed. Set includes 3 square and 3 hexagonal sockets with 11-inch handle. Weight, about 4 pounds.

9R5824—Price\$1.85

NOTE—For Pipe Wrenches See Page 1093.

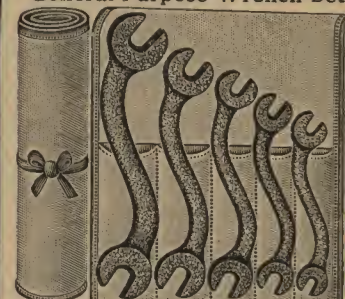
"Perfect Grip" Wrench Set.



Drop forged angle head wrenches with polished and tempered jaws. Ten different openings that will fit nuts on bolts from 1/4 inch to 1 inch in diameter. Each set in blued rubber drill roll. Weight, about 3 1/2 pounds.

9R5816—Price, per set.....\$1.40

General Purpose Wrench Set.



A set that is almost indispensable wherever there are nuts to be screwed on or off. The five solid steel drop forged wrenches have ten different size openings in the head that will fit the nuts on bolts from 1/4 inch to 1 inch in diameter. Sold with or without case as desired.

9R5815—Set of five wrenches with rubber case.....\$1.00

9R5814—Set of five wrenches without rubber case.....\$1.40

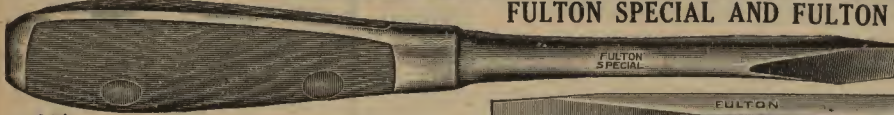
DROP FORGED STEEL WRENCH AND THREAD CLEANER. 40c



For restoring battered threads on 5/16, 3/8 and 1/2 inch bolts. Not intended for cutting new threads. Jaws grip nuts, rods and pipe from 1/4 to 1 inch outside diameter. Length, about 8 inches. Weight, about 1 pound.

9R5825—Price.....40c

FULTON SPECIAL AND FULTON SQUARE SHANK SCREWDRIVERS.

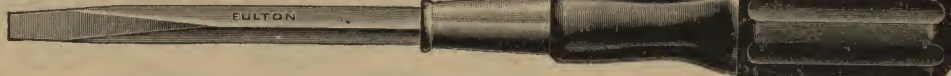


45c 6-IN.

Fulton Special Screwdriver.

A screwdriver of exceptional merit. Shank and blade one solid forging of steel extending completely through handle, giving tool great strength and a perfect grip. Be sure to state length wanted.

Length blade, inches...	4	5	6	8	10
Weight, about, ounces...	3 1/2	4 1/2	5 1/2	7 1/2	10
Price	30c	35c	45c	55c	70c



Fulton Square Shank Screwdriver.

Blade and shank of one piece of steel, which extends through the handle, giving great strength and ability to stand hard service. Square shank makes it possible to use a wrench on heavy work. State length wanted.

Length blade, inches...	2 1/2	4	6	8	10
Weight, about, ounces...	2	4	7	10	12
Price	20c	30c	40c	50c	60c

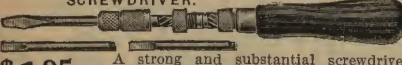
Goodell No. 111 Spiral Ratchet Screwdriver.



A well known screwdriver of exceptional merit. Spiral and ratchet works either right or left hand. Setting shifter knob at star marked on ferrule makes blade rigid with handle. Hardwood handle and three steel blades. Length, extended about 18 1/2 in. Weight, about 1 1/4 pounds.

9R5451—Price.....\$2.20

GOODSELL No. 22 DOUBLE SPIRAL AUTOMATIC SCREWDRIVER.



A strong and substantial screwdriver, having two separate spirals for driving and drawing screws. Can also be set rigid and used as an ordinary screwdriver. Hardwood handle and three steel blades. Length, extended, 16 1/2 inches. Weight, about 1 pound.

9R5450—Price.....\$1.95

GOODSELL No. 1 AUTOMATIC SCREWDRIVER.



A good moderate priced automatic screwdriver which can be used as a spiral or plain screwdriver. Furnished with hardwood handle and three steel blades. Length, extended, about 14 1/2 inches. Weight, about 10 ounces.

9R5449—Price.....\$1.20

Machinists' Suit Case Pattern Tool Chests.

A convenient chest for carrying tools from job to job. Light in weight, yet strong enough to stand the knocks and bumps of everyday use. The lid when raised slides back out of the way like the door of a sectional bookcase and when closed swings down in front of the drawers, locking all of them. Equipped with lock and key and well finished throughout.



9R5390 \$7.25	Made of selected hardwood and nicely varnished. Size, 19 1/4 x 9 x 11 inches high, outside measurements. Has three drawers. Shipping weight, about 25 lbs. Price \$7.25	9R5391 \$8.50	Made of selected hardwood and nicely varnished. Size, 19 x 9 x 11 inches high, outside measurements. Has four drawers as illustrated. Shipping weight, abt. 26 lbs. Price \$8.50	9R5392 \$11.95	Made of selected hardwood covered with artificial leather. Size, 20 1/4 x 9 x 11 1/2 inches high, outside measurements. Has five drawers. Shipping weight, abt. 26 lbs. Price \$11.95
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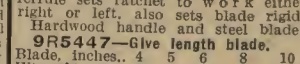
9R5394 \$9.40	With three drawers. Size, 24 1/4 x 14 1/2 x 12 1/2 inches high, outside measurements. Shipping weight, about 40 pounds. Price \$9.40	9R5393 \$8.50	With two drawers. Size, 21 x 13 x 10 1/4 inches high, outside measurements. Shipping weight, about 32 pounds. Price \$8.50
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Champion Pattern Screwdriver.

1 60 5-INCH. Forged steel blade and hardwood handle. Give length of blade wanted.

9R5442	Blade, inches...	3	4	5
	Weight, about, oz.	2	3	4
	Price	10c	13c	16c
	Blade, inches...	6	8	10
	Weight, about, oz.	5	8	12
	Price	19c	22c	25c

GOODSELL RATCHET SCREWDRIVER. 70c 4-INCH.

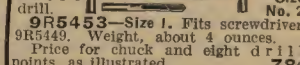


Turning knurled ferrule sets ratchet to work either right or left. Also sets blade rigid. Hardwood handle and steel blade.

9R5447—Give length blade.

Blade, inches...	4	5	6	8	10
Wt., abt., oz.	4	5	6	7	8
Price	70c	80c	90c	\$1.05	\$1.20

DRILL ATTACHMENT FOR AUTO-MATIC SCREWDRIVERS.



9R5453—Size 1. Fits screwdrivers 9R5449. Weight, about 4 ounces. Price for chuck and eight drill points as illustrated.....78c

9R5454—Size 2. Fits screwdrivers 9R5451 and 9R5450. Wt., about 4 oz. Price for chuck and eight drill points, as illustrated.....80c

Fulton Pliers and Wire Cutters.

(Improved Button Pattern.)
55c 70c 85c
According to Size.
Give length.

These Fulton Pliers, in addition to having all other advantages of this pattern, can also be used for holding pipe or rods. They have great leverage and a shear cut and will take heavy wire. An excellent pier for fence builders, and are also very handy for use about the home or barn. Made of steel, properly tempered. Fully guaranteed.

9R5837
Length, inches..... 6 8 10
Wt. about, lbs..... 1/2 3/4 1 1/4
Price, per pair..... 55c 70c 85c

FULTON KLEIN PATTERN SIDE CUTTING PLIERS.

Forged steel, carefully tempered.
Give length.

9R5840
Length, inches..... 6 7 8
Wt. about, lbs..... 1/2 3/4 1
Price, per pair..... \$1.15 \$1.35 \$1.60

LINEMEN'S FULTON KLEIN PATTERN SIDE CUTTING PLIERS.

With Splicing Attachment.
Give length.

9R5841
Length, inches..... 6 7 8
Wt. about, lbs..... 1/2 3/4 1
Price, per pair..... \$1.25 \$1.50 \$1.80

FULTON SIDE CUTTING PLIERS.

Forged steel with raised cutters. Give length.

9R5839
Length, inches..... 6 7 8
Wt. about, oz..... 4 6 8
Price, per pair..... 80c 90c \$1.05

COMBINATION PLIERS.

Combination Gas and Wire Cutting.
Give length.

9R5838
Length, inches..... 6 8
Wt. about, ounces..... 6 12
Price, per pair..... 70c 85c

LONG CHAIN NOSE LAP JOINT SIDE CUTTING PLIERS.

Forged steel. Guaranteed. Length, 5 1/2 in. Weight, about 4 ounces.
Give length.

9R5836—Price, per pair..... \$1.05

FULTON END CUTTING NIPPERS.

Lap joint, Give length.

9R5834
Length, inches..... 5 6
Wt. about, ounces..... 6 8
Price, per pair..... 75c 89c

END CUTTING NIPPERS.

Made of steel, with tempered jaws. Cuts all kinds of soft wire; not intended for piano wire. Length, 6 1/4 inches. Weight, about 8 ounces.
Give length.

9R5835..... 59c

FULTON CARPENTERS' PINCHERS.

Claw on one handle, screwdriver on other. Forged steel. Give length.

9R5833
Length, inches..... 6 8 10 12
Wt. about, pounds..... 1/2 3/4 1 1/4
Price, per pair..... 30c 40c 50c 60c

SPlicing CLAMPS OR CONNECTORS.

Smooth jaws. Length, about 10 1/4 inches. For Nos. 6, 8, 10, 12, 14 wire and Nos. 4, 6, 8, 10, 12 cop wire and Nos. 8, 10, 12, 14 McIntyre Steels. Weight, about 1 1/4 pounds.
Give length.

9R5844—Price..... \$1.95

SPlicing CLAMPS.

Linemen's Splicing Clamps. Length, 10 1/4 inches for Nos. 8, 10, 12 and 14 wire. Weight, 1 1/4 pounds.
Give length.

9R5843—Price..... \$1.20

NEVERSLIP WIRE GRIP.

The more you pull the tighter it grips. When attached to a hand tool it makes a good stretcher. Equipped with swivel. Weight, about 1 pound.
Give length.

9R5845—Price..... 33c

FULTON HANDY PLIERS.



25c 35c 45c
According to Size.

Wire cutter and pier. Will hold on flat, square or round surfaces. Forged steel, properly tempered. The 6-inch pliers will hold up to 3/4-inch pipe; 8-inch and 10-inch will hold up to 1-inch pipe. Give length.

9R5832
Length, about 6 inches..... 25c
Length, about 8 inches..... 35c
Length, about 10 inches..... 45c

Price, per pair.....
THESE PLIERS ARE DROP FORGED AND VARY A TRIFLE IN LENGTH.

14c FULTON GUARANTEED FILES.

Cut fast and last a long time. Thousands of mill men, machinists and professional filers will use no other. Be sure to give length.

9R5704
Size, inches..... 6 8 10 12 14 16
Wt. each, abt., lbs. 1/4 1/2 3/4 1 1 1/2 2
Price, each..... 14c 17c 23c 29c 43c 60c

FULTON DOUBLE END TAPER FILES.

9R5698
Size, inches..... 7 8 9 10
Wt. each, abt., oz. 2 2 2 4
Price, each..... 15c 17c 19c 21c

FULTON TAPER FILES.

9R5699—Regular Taper..... 10c
9R5700—Slim Taper..... 6-in. 15c

Prices of Fulton Regular and Slim Taper Files.
9R5699—Regular Taper..... 6-in. 15c
9R5700—Slim Taper..... 6-in. 15c

Size, Each, Abt. Each, Abt. Price, Weight, Price, Weight.
3-in. 1/4 oz. 8c 1/2 oz. 8c
4-in. 3/4 oz. 10c 1 1/2 oz. 10c
5-in. 1 oz. 12c 2 oz. 12c
6-in. 2 oz. 15c 3 oz. 15c
7-in. 3 oz. 18c 4 oz. 18c
8-in. 4 oz. 22c 5 oz. 22c

EXTRA SLIM TAPER FILES.

9R5701—Extra Slim Taper and up.
Size, inches..... 4 4 1/2 5 5 1/2 6
Wt. each, abt., oz. 1 1 1 1 1 1
Price, each..... 8c 10c 12c 14c 16c

WEED'S SPECIAL SLIM HAND SAW FILES.

9R5702
Size, inches..... 5 5 1/2 6
Wt. each, abt., oz. 1 1 1
Price, each..... 17c 19c 22c

FULTON ROUND BASTARD RAT TAIL FILES.

9R5703
Size, inches..... 4 5 6 8 10 12
Wt. each, abt., oz. 1 1 2 2 4 4
Price, each..... 13c 14c 16c 19c 24c 31c

FULTON FLAT BASTARD FILES.

9R5707
Size, inches..... 5 6 8 10 12 14
Wt. each, abt., lbs. 1/4 1/2 3/4 1 1 1/2 2
Price, each..... 17c 19c 23c 30c 39c 53c

FULTON HALF ROUND BASTARD FILES.

9R5708
Size, inches..... 6 8 10 12 14
Wt. each, abt., lbs. 1/4 1/2 3/4 1 1 1/2 2
Price, each..... 26c 32c 39c 48c 64c

60c FULTON Special Hack Saw Blades.

Fulton Special Hack Saw Blades are especially recommended for general use. Made of high carbon steel tempered hard all over, with medium teeth (14-16 to the inch). Will do fast work, making a clean, free cut and will prove exceptionally durable in use. We have sold thousands of dozens of these high grade blades with entire satisfaction to our customers and they are fully guaranteed. Give length.

9R5018—Length, inches..... 8 9 10 12
Weight, dozen, about, ounces..... 60c 70c 80c 90c
Price, per dozen.....

Fulton Hack Saw Blades, 16 Teeth to Inch. Made from high carbon steel, soft on the back, with highly tempered teeth. Preferred by many.
Give length.

9R5017
Length, inches..... 8 9 10 12
Wt. doz., abt., oz. 6 6 8 8
Price, per dozen..... 52c 60c 68c 76c

ALL HACK SAW BLADES ARE PUT UP ONE DOZEN IN A PACKAGE. WE DO NOT SELL LESS THAN A FULL PACKAGE.

EXTENSION HACK SAW FRAME.

Strong and durable. Blade is adjustable to right angles with frame. Takes any length blade from 8 to 12 inches. Price includes one 8-inch blade. Weight, about 1 lb.
Give length.

9R5023—Price..... 65c

SOLID HACK SAW FRAME.

Strong and durable. Blade adjustable to right angles with frame. Weight, about 10 ounces.
Give length.

9R5022—Price, with one 8-inch blade..... 27c

\$1.05
1 lb.

SOFT ARKANSAS OIL STONE.

Cuts fast and is superior for sharpening certain kinds of mechanics' tools, such as wood carvers', patternmakers', cabinetmakers' and other similar tools. State weight.

9R5720
Wt., Abt., Price
Lbs. 1 1/2 \$1.05
1 1/2 1.65

HOWARD INDIA CORUNDUM OIL STONE.

For putting a keen, sharp edge on fine tools. One side made coarse for taking out nicks, etc. Other side fine for putting on a keen edge. Size, 8x2 inches. Weight, about 1 1/2 pounds.
Give length.

9R5717—Price..... 45c

WHITE WASHITA OIL STONE IN WOOD CASE.

uniform texture, fast cutting, will not glaze. For carpenters and woodworkers. Mounted in hardwood case. State size.
Give length.

9R5718—Price..... 58c

ASSORTED SANDPAPER, 12 SHEETS.

Assorted, two sheets each, No. 0, No. 1 and No. 2; three sheets each, No. 1 and No. 2. Weight, about 11 ounces.
Give length.

9R5491—Price for 12 sheets..... 22c

Full quires of twenty-four sheets (we do not sell less than one quire of one number). No. 00 is finest. State size number.

9R5492
Size No..... 00 0 1 1 1/2
Weight, about, lbs. 3/4 1 1 1/2
Price, per quire..... 28c 31c 34c 38c

Size No..... 1 1/2 2 3
Weight, about, pounds..... 1 1/2 2 2 1/2
Price, per quire..... 44c 52c 62c

FIRST QUALITY EMERY CLOTH.

Turkish emery, on heavy, tough cloth back. Well made. State size number.

9R5494
Number..... 00 0 1 1 1/2 2
Wt. per quire, abt. pounds..... 1 1/4 1 3/4 2 2 1/4 2 1/2 2 3/4
2 sheets for \$0.15 \$0.16 \$0.17 \$0.18 \$0.19 \$0.20
Per quire. 1.65 1.70 1.75 1.85 2.00 2.15

STEEL WOOL AND SHAVINGS.

Steel Wool is a mass of fine fibers of steel resembling curled hair, which, while sharp, will not scratch, but cut as smoothly as the finest sandpaper, emery or pumice stone. Used for rubbing down fillers and varnishes. Steel shavings are a coarse grade and used for removing rust from iron preparatory to painting; also for cleaning floors or any surface of old varnish. State grade.

30R2670
No. 0. Very fine. Price, per lb..... 58c
No. 1. Fine. Price, per lb..... 48c
No. 3. Medium fine. Price, per lb..... 36c
Steel Shavings. Price, per lb..... 31c

Sure Grip Hack Saw Outfit.

Well made and guaranteed to stand hard usage. Frame is adjustable. Grip fits the hand and gives firm, sure hold on the saw. Furnished complete with twelve blades, four each, 8-inch, 10-inch and 12-inch. Blades are adjustable to right angles with frame. Weight, about 2 pounds.
Give length.

9R5026—Price..... \$1.95

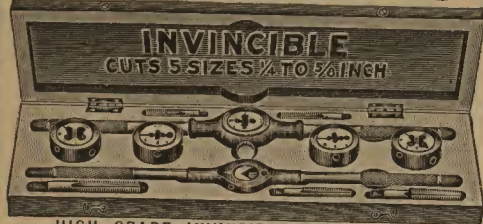
Sears, Roebuck and Co.

Chicago 1083

Invincible Adjustable Die Screw Plates.

Dies are cut through on one side and a screw inserted in the opening. By turning screw dies are opened or closed. Dies are $\frac{1}{2}$ inch over size V thread, which fits regular carriage and machine bolts.

\$13.50



INVINCIBLE
CUTS 5 SIZES $\frac{1}{4}$ TO $\frac{3}{4}$ INCH

HIGH GRADE INVINCIBLE SCREW PLATE.

99R5120—With five taps and five pairs dies, cutting $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ inch. Furnished with one stock, 16 inches long, and one tap wrench, 18 inches long. In hardwood case. Shipping weight, about 11 pounds.

Price, per set.....**\$13.50**
99R5690—Extra Taps, Dies and Collets for above screw plate. Price includes die and collet with tap to match. State size.
Size, inch..... $\frac{1}{4}$ 5-16 $\frac{3}{8}$ 10 oz. 14 oz. $\frac{1}{2}$ 1 lb.
Weight, about.....**\$1.15** **\$1.35** **\$1.55** **\$1.95** **\$2.30**
Price.....

INVINCIBLE ADJUSTABLE DIE \$20.50 SCREW PLATE



Illustration shows Set 99R5124.

99R5123—With six taps and six pairs dies, cutting $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ inch. Furnished with two stocks, 14 and 26 inches long, and one tap wrench, 18 inches long. In hardwood case. Shpg. wt., about 20 lbs. Per set.**\$17.25**

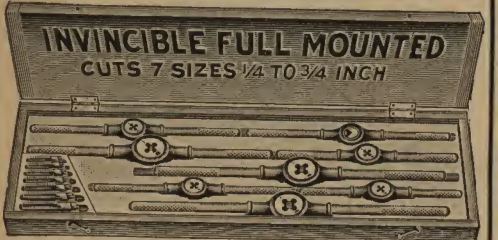
99R5124—With seven taps and seven pairs dies and collets, cutting $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$ and $\frac{1}{16}$ inch. Has two stocks, 14 and 26 inches long, and tap wrench, 16 inches long. In hardwood case. Shipping weight, about 20 lbs.

Price, per set.....**\$20.50**
99R5125—With nine taps and nine pairs dies and collets, cutting $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$ and $\frac{1}{16}$ inch. Has two stocks, 14 and 26 inches long, and tap wrench, 15 inches long. In hardwood case. Shipping weight, about 25 lbs.

Price, per set.....**\$32.50**
99R5689—Extra Taps, Dies and Collets for Invincible Screw Plates. Price includes die and collet with tap to match. State size.

Size, inch..... $\frac{1}{4}$ 5-16 $\frac{3}{8}$ 7-16 $\frac{1}{2}$
Weight, about.....7 oz. 8 oz. 9 oz. 10 oz. 14 oz.
Price.....**\$1.15** **\$1.35** **\$1.55** **\$1.65** **\$1.95**
Size, inch..... $\frac{1}{4}$ 5-16 $\frac{3}{8}$ 7-16 $\frac{1}{2}$
Weight, about.....1 1/4 lbs. 1 1/2 lbs. 2 lbs. 2 1/2 lbs.
Price.....**\$2.30** **\$2.65** **\$3.45** **\$3.85**

INVINCIBLE ADJUSTABLE DIE \$22.75 FULL MOUNTED SCREW PLATE



INVINCIBLE FULL MOUNTED
CUTS 7 SIZES $\frac{1}{4}$ TO $\frac{3}{4}$ INCH

Illustration shows Set 99R5127.

99R5126—Cuts five sizes, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ inch; complete with five taps to match dies, and one 10-inch tap wrench; stocks measure from 12 to 16 inches long. In hardwood case. Shpg. wt., about 16 lbs. Price, per set.**\$15.25**

99R5127—Cuts seven sizes, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$ and $\frac{1}{16}$ inch; complete with seven taps to match dies, and one 16-inch tap wrench; stocks measure from 12 to 24 inches long. In hardwood case. Shipping weight, about 32 pounds.

Price, per set.....**\$22.75**
99R5128—Cuts nine sizes, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$ and $\frac{1}{32}$ inch; complete with nine taps to match dies, and two tap wrenches, 12 and 20 inches; stocks measure from 12 to 27 inches long. In hardwood case. Shipping weight, about 50 pounds. Price, per set.....**\$41.50**

Blacksmiths' Plug AND and Taper Taps. 20c UP.

99R5679—Right hand Taper Tap.

99R5680—Right hand Plug Tap.

State size and number of threads.

No. Wt. Price.

Size, In. Threads To Inch Each.

3-16 30 or 32 1 20c

5-16 18, 20, 22 or 26 1 24c

7-16 12, 14, 16 or 18 1 28c

9-16 10, 12 or 14 2 46c

11-16 10, 12 or 14 2 50c

13-16 8, 9, 10 or 12 6 65c

Machinists' Hand Taps. 22c AND UP.

99R5682—Right hand Taper Taps.

99R5683—Right hand Plug Taps.

99R5684—Right hand Bottoming Taps.

Give number for style and state size.

No. Wt. Price.

Diam. Threads About, In. Oz. Each

1/8 20 1 22c

3/16 18 1 26c

1/2 12, 13 2 34c

5/8 11 3 46c

3/4 9 8 58c

1 8 10 95c

SCREW PLATES—STOCKS AND DIES

Stocks made of malleable iron. Dies and taps made of die steel. Perfect fit and adjustment guaranteed. All parts these tools are guaranteed against defective material or workmanship. Should any part prove defective we will replace it free of charge.

\$5.10

As Illustrated.



Illustration shows Set 99R5673.

Factory No. 53A. 4 taps, 4 dies, 18, 20, 24 and 32 threads to inch. Cuts 5-16 to 1-16 inch. Weight, abt. 14 ounces.

99R5670 Price, per set, **\$2.90**

Factory No. 41C. 6 taps, 3 dies, 12, 14 and 16 threads to inch. Cuts $\frac{1}{2}$ to 3-16 in. Weight, about 2 1/2 pounds.

99R5671 Price, per set, **\$3.40**

Factory No. 37. 6 taps, 3 dies, 14, 18 and 22 threads to inch. Cuts $\frac{1}{2}$ to 3-16 in. Weight, abt. 4 pounds.

99R5672 Price, per set, **\$4.35**

Factory No. 32B. 4 taps, 4 dies, 10, 12, 14 and 16 threads to inch. Cuts $\frac{1}{2}$ to $\frac{1}{4}$ inch. Weight, about 6 pounds.

99R5673 Price, per set, **\$5.10**

Factory No. 60. 6 taps, 4 dies, 10, 12, 14 and 18 threads to inch. Cuts $\frac{1}{2}$ to $\frac{1}{4}$ inch. Weight, about 6 pounds.

99R5675 Price, per set, **\$5.70**

Factory No. 3. 3 taps, 3 dies, 10 and 12 threads to inch. Cuts $\frac{1}{2}$ inch. Weight, about 8 pounds.

99R5677 Price, per set, **\$5.20**

\$9.85 Blacksmiths' Separate Plate Stocks and Dies.

Right Hand Only.

As Illustrated.



99R5667—Factory No. 51B. cuts $\frac{1}{2}$ to $\frac{3}{4}$ inch, number of threads to inch, 12, 14, 16 and 18; number of taps in set, 4; number dies in set, 4 pairs. Weight, about 3 pounds.

Price, per set.....**\$4.60**
99R5668—Factory No. 27D. cuts $\frac{3}{4}$ to $\frac{1}{2}$ inch, number of threads to inch, 10, 11, 12, 14, 16, 18 and 20; number of taps in set, 7; number dies in set, 7 pairs. Weight, about 6 lbs.

Price, per set.....**\$9.85**

Special: Right and Left Hand Stock and Dies. \$3

Right Hand Only.



Factory No. 42. cuts $\frac{1}{2}$ to $\frac{3}{4}$ inch, right hand, 14 and 20 threads to inch, and $\frac{1}{2}$ to $\frac{3}{4}$ inch left hand, 14 threads to inch, 6 taps and 3 dies. Weight, about 2 1/2 pounds.

99R5677—Price, per set.....**\$3**

T Tap and Drill Wrench.



40c

Combination Tap and Drill Wrench. Furnished with two high carbon jaws, one for holding

sizes $\frac{1}{2}$ to $\frac{3}{4}$ inch, and one for holding drills $\frac{1}{8}$ to $\frac{1}{4}$ inch. T handle is 4 1/2 inches long. Weight, about 4 ounces.

99R5686—Price.....**40c**

FULTON UTILITY SOLID DIE \$8.90 SCREW PLATES.



Nothing to Add—Just or Get Out of Order.

A low priced screw plate with the same actual working features of the higher priced sets. Cuts right hand V thread. Sizes $\frac{1}{4}$ to $\frac{3}{4}$ inch over size; $\frac{1}{2}$ inch is $\frac{1}{2}$ inch over size. Stock has black body and polished handles.

99R5101—With 4 dies and 4 taper taps to match and one wrench plate. Cuts four sizes, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{1}{4}$ inch. Stock, 18 inches long. Shpg. wt., about 5 lbs. Price.....**\$8.90**

Drop Forged Wrench. 92c



8-in. For use on hexagon or square nuts. Has angle head that makes it handy for use about machinery and in other close places.

99R5822—State size wanted.

Size, inches.....6 8 10 12

Opens, about, inches..... $\frac{1}{2}$ $\frac{3}{4}$ 1 1 1/2

Weight, about, pounds..... $\frac{1}{2}$ $\frac{3}{4}$ 1 1 1/2

Price.....**74c** **92c** **\$1.20** **\$1.45**

SURE GRIP HACK SAW OUTFIT. \$1.

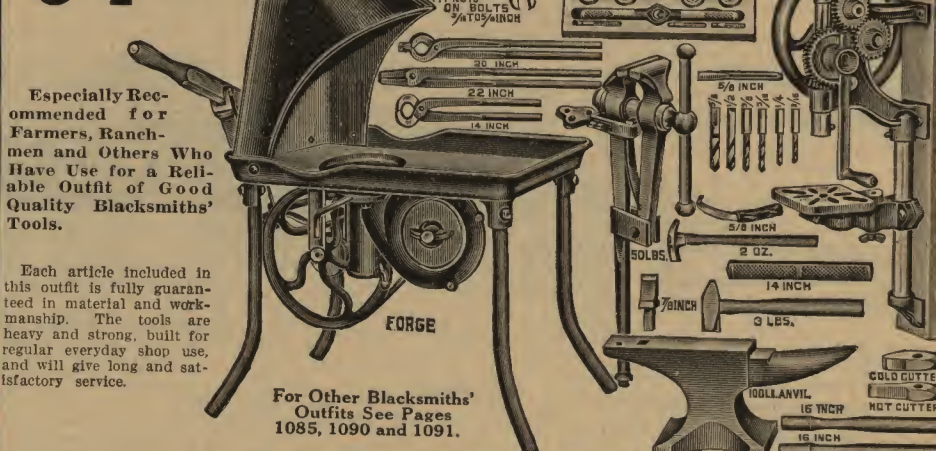


Well made and guaranteed to stand hard usage. Frame is adjustable. Grip fits the hand and gives firm, sure hold on the saw. Furnished complete with 12 blades, 4 each 8-inch, 10-inch and 12-inch. Blades are adjustable to right angles with frame. Weight, about 2 pounds.

99R5026—Price.....**\$1**

Improved Vulcan Outfit of Blacksmiths' Tools

\$94.50



Especially Recommended for Farmers, Ranchmen and Others Who Have Use for a Reliable Outfit of Good Quality Blacksmiths' Tools.

Each article included in this outfit is fully guaranteed in material and workmanship. The tools are heavy and strong, built for regular everyday shop use, and will give long and satisfactory service.

For Other Blacksmiths' Outfits See Pages 1085, 1090 and 1091.

READ THESE DESCRIPTIONS.

ANVIL. Solid wrought steel, weight, about 100 pounds. Forged from tough steel. Face is carefully tempered by a process which makes it exceptionally hard without being brittle and very tough without being soft. The horn and heel are long and well shaped. Base has a wide spread insuring great stability and prevents tipping when forging heavy work on the extreme ends of the anvil.

FORGE. Our Improved Vulcan Forge with half hood. Has 12-inch blower, 24 1/2 x 35 1/2-inch hearth, is 30 inches high and weighs about 195 pounds. Will furnish blast enough to produce a welding heat on 3-inch iron in five minutes.

99R5013—Complete outfit, as illustrated and described.

DRILL. Our Acme Ball Bearing Self Feed Third Gear Post Drill. Drills up to 1 1/4-inch holes, has 3 1/2-inch run of spindle, takes 1/2-inch round shank bits and drills 1/4 center of 1 1/4-inch circle. Weight, crated, about 120 pounds.

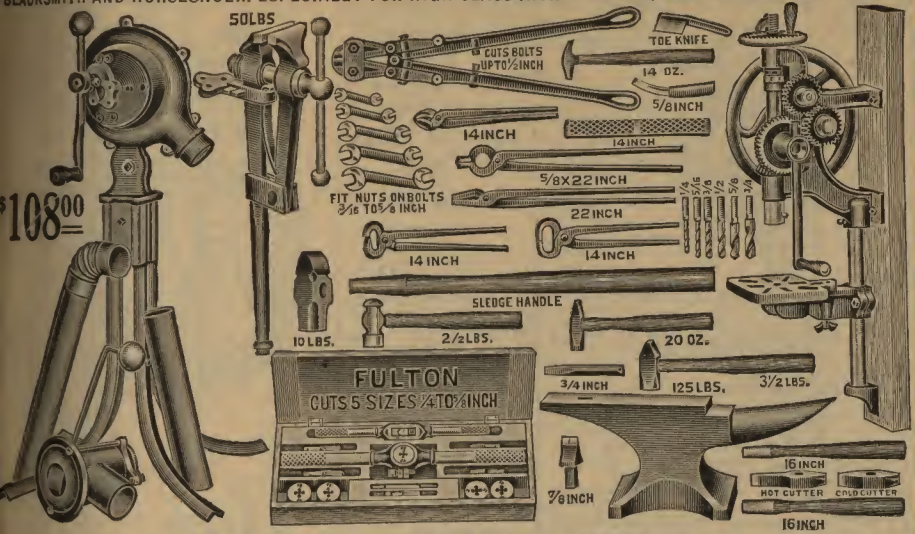
SCREW PLATE. Invincible Screw Plate, with five taps and five pairs of dies cutting $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ inch. Set has one stock, 16 inches long, and one tap wrench, 16 inches long in hardwood box.

VISE. Our Blacksmiths' 50-pound wrought vise with solid box and steel jaws. Outfit also includes complete assortment of good quality hand tools, as illustrated.

Shipping weight, about 500 pounds. Price.....**\$94.50**

Our Big Masterworkman Blacksmiths' Outfit

THIS OUTFIT WILL TAKE CARE OF THE HEAVIEST WORK, AND CONTAINS ALL THE TOOLS NEEDED BY THE BLACKSMITH AND HORSESHOER. ESPECIALLY FOR HIGH CLASS IRON WORKERS, MEN WHO DEMAND THE BEST.



READ THESE DESCRIPTIONS CAREFULLY.

ANVIL. American Wrought Anvil. Weight, about 125 lbs. Made of tough steel with properly tempered face. The long well shaped horn and heel. Wide spread of base cuts tipping when forging heavy work on extreme ends.

BLOWER. Our Tiser Blower complete with piping and wire. Has flat, straight cut gears; no belts, clutches or belts to get out of order. Steel shafts, composition bearings, and turns easily. 8 1/2-inch fan; 11 1/2-inch fan case; over all, 48 inches; weight, about 120 pounds.

DRILL. Our Acme Ball Bearing Two-Speed Self Feed Gear Drill. Drills holes up to 1 1/4 inches and to 10 feet deep. Complete assortment of good quality tools, as illustrated and described.

SCREW PLATE. Fulton Double Die Screw Plate, cuts five sizes, 1/4, 5/16, 3/8, 1/2 and 5/8 inch. Complete with 22-inch stock and 16-inch tap wrench, in hardwood case.

WRENCH. Our blacksmiths' 50-pound solid box wrought vise with tempered steel jaws.

BOLT CLIPPERS. One pair Fulton Bolt Clippers will cut up to and including 1/2-inch bolts. Adjustable to take up wear and have rubber bumpers.

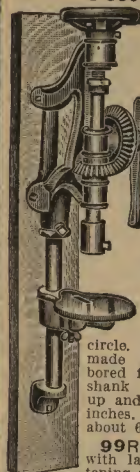
Little Giant Screw Plate.

Little Giant. Round adjustable dies, 1 in. in diameter. Cutting 7/16, 1/2, 5/8, 3/4, 7/8, 1 1/8, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 7 1/2, 8, 8 1/2, 9, 9 1/2, 10, 10 1/2, 11, 11 1/2, 12, 12 1/2, 13, 13 1/2, 14, 14 1/2, 15, 15 1/2, 16, 16 1/2, 17, 17 1/2, 18, 18 1/2, 19, 19 1/2, 20, 20 1/2, 21, 21 1/2, 22, 22 1/2, 23, 23 1/2, 24, 24 1/2, 25, 25 1/2, 26, 26 1/2, 27, 27 1/2, 28, 28 1/2, 29, 29 1/2, 30, 30 1/2, 31, 31 1/2, 32, 32 1/2, 33, 33 1/2, 34, 34 1/2, 35, 35 1/2, 36, 36 1/2, 37, 37 1/2, 38, 38 1/2, 39, 39 1/2, 40, 40 1/2, 41, 41 1/2, 42, 42 1/2, 43, 43 1/2, 44, 44 1/2, 45, 45 1/2, 46, 46 1/2, 47, 47 1/2, 48, 48 1/2, 49, 49 1/2, 50, 50 1/2, 51, 51 1/2, 52, 52 1/2, 53, 53 1/2, 54, 54 1/2, 55, 55 1/2, 56, 56 1/2, 57, 57 1/2, 58, 58 1/2, 59, 59 1/2, 60, 60 1/2, 61, 61 1/2, 62, 62 1/2, 63, 63 1/2, 64, 64 1/2, 65, 65 1/2, 66, 66 1/2, 67, 67 1/2, 68, 68 1/2, 69, 69 1/2, 70, 70 1/2, 71, 71 1/2, 72, 72 1/2, 73, 73 1/2, 74, 74 1/2, 75, 75 1/2, 76, 76 1/2, 77, 77 1/2, 78, 78 1/2, 79, 79 1/2, 80, 80 1/2, 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BLACKSMITHS' HIGH GRADE POST DRILLS

Blacksmiths' Hand Feed Post Drill.

\$6⁹⁵

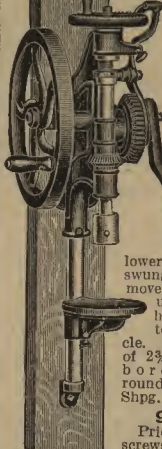


A substantial drill. Upright column and feed screws are made of steel. Has long bearings, which insure easy running. Crank is adjustable. Drill table can be raised or lowered, swung around or removed entirely. Drills holes up to 3/4 inch and to center of 12-inch circle. Drill spindle is made of 1-inch steel, bored for 1/2-inch round shank drills. Has up and down run of 23 1/2 inches. Shipping weight, about 60 pounds.

99R5076—Price, with lag screws for fastening to post...\$6.95

Acme Two-Speed Self Feed Post Drill.

\$10⁴⁰



Bearings are of steel. Self feed attachment can be set to fast or slow speed. Crank is adjustable to long or short turn. Drill table can be raised or lowered 9 1/2 inches, swung around or removed entirely. Drills holes up to 1/2-inch and to center of 12-inch circle. Spindle has run of 23 1/2 inches and is bored for 1/2-inch round shank drills. Shpg. wt., about 90 lbs.

99R5077—Price, with lag screws for fastening to post...\$10.40

Blacksmiths' Acme Special Two-Speed Self Feed Post Drill.

\$13³⁵



Large, heavy drill. Has steel upright column, drill spindle and feed screw, four long straight bearings. Automatic self feeding device can be set fast or slow. Table can be raised or lowered, swung around or removed entirely, and has up and down run of 10 1/2 inches. Spindle has run of 3 inches and is bored for 1/2-inch round shank drills. Drills up to 1 1/4-inch holes and to center of 15-inch circle. Shipping wt., about 120 lbs.

99R5078—Price, with lag screws for fastening to post...\$13.35

Blacksmiths' Acme Ball Bearing Two-Speed Self Feed Third Gear Post Drill.

EASY RUNNING. STRONGLY MADE OF HIGH GRADE MATERIAL.

Made extra strong at points of greatest strain. For general blacksmith and repair shops.

DESCRIPTION.

Bearings are made of die steel. Make running easy and double the life of the drill.

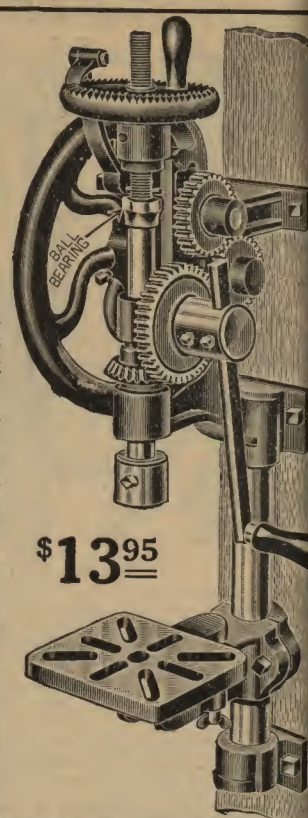
Self feed attachment can be set to a fast or slow speed.

Improved third gear enables the operator to change to a fast or slow speed by simply changing the crank from one shaft to another on the same side of the machine.

Drill table is extra heavy, can be raised or lowered 11 inches, swung around or removed entirely.

Shaft and spindle are made of high grade steel. Drills up to 1 1/4-inch holes and to center of 14 1/2-inch circle. Has up and down run of 3 1/2 inches and is bored for 1/2-inch round shank drills. Shipping wt., about 120 pounds.

99R5079—Price, with lag screws for fastening to post...\$13.95



\$13⁹⁵

Acme Special Drill. For Hand or Power.



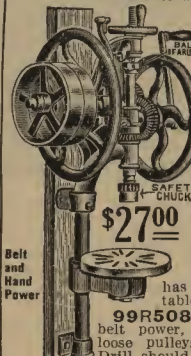
Same as our 99R5078, but with 8x2 1/2-inch tight and loose pulleys. Has both fly wheel and crank. Spindle has up and down run of 3 inches. Table has up and down run of 10 1/2 in. Drills up to 1 1/4-inch holes and to center of 15-inch circle. Takes 3/4-inch round shank drills. Should be run at about 200 revolutions per minute. Shpg. wt., about 140 pounds.

99R5083—Price, with lag screws for fastening to post...\$14.85

99R5082—Same as above, but without flywheel. For power use only. Shipping weight, about 120 lbs.

Price, with lag screws for fastening to post...\$14.20

Acme Two-Speed Self Feed Ball Bearing Drill.



For Hand or Power. Blacksmiths' high quality drill. Single ball bearing at top of drill spindle receives pressure and reduces friction. Has safety chuck that takes 1/2-inch round shank bits. Drills to center of 19-inch circle and drills up to 1 1/2-inch holes. Spindle has run of 4 inches, table 11 1/2 inches.

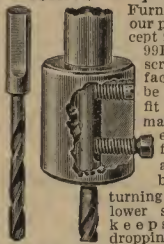
99R5085—For hand and belt power, with tight and loose pulleys, 8x2 1/2 inches. Drill should be run at about 200 revolutions per minute. Shipping weight, about 190 pounds.

Price, with lag screws for fastening to post...\$27.00

99R5084—For hand power only. Shipping wt., about 180 pounds.

Price, with lag screws for fastening to post...\$24.00

Positive Grip Chucks.



Furnished on all our post drills except 99R5084 and 99R5085. Top screw has flat face and can be adjusted to fit drill bits made by different manufacturers, and prevents bit from turning in chuck, lower set screw keeps a bit from dropping out.

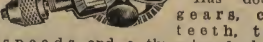
Goodell-Pratt Drill Chucks.

Has three hardened steel jaws and knurled sleeve. Fits blacksmiths' drills which are 1/2-inch bored for 1/2-inch shank.

99R5651—Holds drills with 3/4-inch and smaller straight shanks. Wt., about 10 oz. Price, each...\$1.95

99R5652—Holds drills with 1/2-inch and smaller straight shanks. Wt., abt. 1 lb. Price, each...\$2.65

Goodell's Extra Large High Grade Hand Drill.



Has double gears, cut teeth, two speeds and a three-jawed chuck. Takes drills up to 3/4 inch. Frame is malleable iron. Head is hollow, with screw cap. Length, 14 1/4 inches. No drill points furnished.

99R5606—Weight, 2 1/2 pounds. Price...\$3.60

99R5609—Set of Eight Drill Points to fit 99R5606, 99R5604 and 99R5605 Hand Drills. Assorted 1/4 to 1 1/4 inch. Weight, about 3 ounces. Price, per set of eight...\$2.40

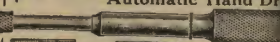
\$1.20 Goodell's Automatic Hand Drill.



99R5600—Hardwood handle. Length, 9 1/2 in. Weight, about 8 ounces. Price includes eight drill points, 1/8 to 1 1/4 inch. Length, 9 1/2 inches. about 8 ounces.

Price...\$1.20

\$1.80 Goodell's High Grade Automatic Hand Drill.



Drill points are kept in low handle. Price includes eight drill points, 1/8 to 1 1/4 inch. Length, 9 1/2 inches. about 8 ounces.

99R5601—Price...\$1.80

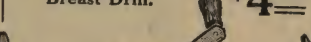
Double Geared Breast Drill.



Ball bearings, 6-inch drive wheel, extension crank and cut gears. Protected level attachment. Parallel jaws take all sizes bit stock round and taper shank drills. 1/4 to 1 1/4 inch. Weight, 8 lbs.

99R5612—Price...\$5.15

Two-Speed Breast Drill.



Cut gears. Frame is malleable iron, breast plate is adjustable and chuck has two sets of jaws, one for bit stock drills, the other for round shank drills. 1/4 to 1 1/4 inch. Hardwood handles. Weight, about 6 pounds.

99R5611—Price...\$4.35

Goodell's Extra Large High Grade Hand Drill.

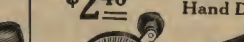


Has double gears, cut teeth, two speeds and a three-jawed chuck. Takes drills up to 3/4 inch. Frame is malleable iron. Head is hollow, with screw cap. Length, 14 1/4 inches. No drill points furnished.

99R5606—Weight, 2 1/2 pounds. Price...\$3.60

99R5609—Set of Eight Drill Points to fit 99R5606, 99R5604 and 99R5605 Hand Drills. Assorted 1/4 to 1 1/4 inch. Weight, about 3 ounces. Price, per set of eight...\$2.40

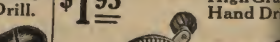
\$2.40 Steel Frame Hand Drill.



Takes drills up to 3/4 inch inclusive. Price includes eight drill points, 1/8 to 1 1/4 inch, which are contained in the hollow handle. Length, 10 1/4 inches.

99R5605—Weight, 1 1/4 lbs. Price...\$2.40

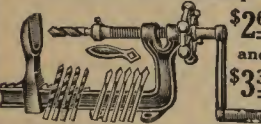
\$1.95 High Grade Hand Drill.



Malleable frame, steel spindle and pinion and cut gears. Length, 10 1/4 inches. Price includes eight drill points, 1/8 to 1 1/4 inch, which are contained in the handle.

99R5604—Weight, about 1 1/2 lbs. Price...\$1.95

Combination Clamp and Drill.



A practical combination tool. Has heavy malleable iron frame and clamp, wrought feed screw and brass chuck. Furnished with screws for fastening to bench. Length, 17 inches.

99R5070—Complete with five diamond pointed drills; one each, 1/8, 1/4, 3/8, 1/2 and 3/4 inch. Shipping weight, about 7 pounds. Price...\$2.65

99R5071—Complete with five twist drills, one each, 1/8, 1/4, 3/8, 1/2 and 3/4 inch. Shipping weight, about 7 pounds. Price...\$3.35

99R5636—Extra Drill Bits for 99R5070. Weight, about 8 ounces. Price, per set of five...\$1.15

99R5637—Extra Drill Bits for 99R5071. Weight, about 8 ounces. Price, per set of five...\$1.15

Horizontal Bench Drill. \$21⁰⁰

Strong and substantial. One of the handiest and most useful horizontal bench drills made. For farm and light shop use. Drill spindle bored for 1/2-inch round shank drills.

99R5074—Price, with lag screws for fastening to bench...\$21.00

Challenge Outfit Blacksmiths' High Class Tools

\$28⁴⁵

Every tool selected from our regular stock and amply strong and heavy enough for all kinds of light and medium work. Quality not sacrificed in this outfit.

READ THESE DESCRIPTIONS.

ANVIL. 70-pound cast iron anvil. **FORGE.** Our Invaluable Portable Lever Forge has 18-inch hearth, 8-inch blower and is 30 inches high.

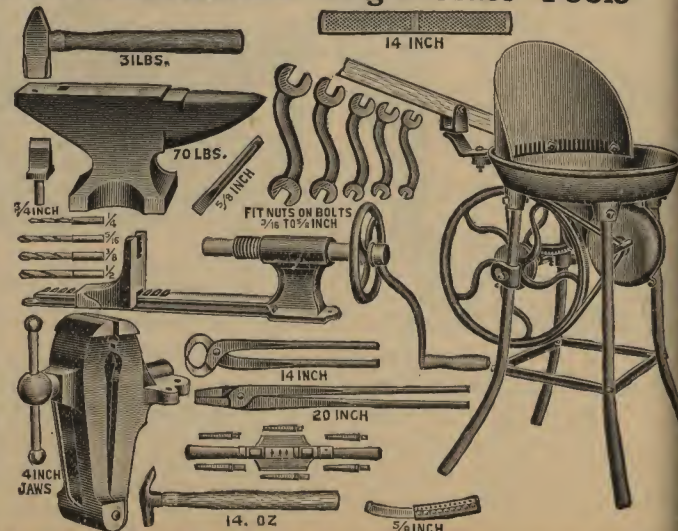
DRILL. Our horizontal Bench Drill has screw feed chuck bored for 1/2-inch round shank drills.

WISE. Blacksmiths' cast iron vise with hinged jaws. Jaws, 4 inches wide and faced with tempered steel. Weight, about 44 pounds.

STOCK AND DIES. Cut 1/2 to 3/4 inch, 12, 14 and 16 threads to the inch, six taps and three dies.

Outfit also includes assortment of good quality hand tools, as illustrated.

99R5009—Complete outfit, as illustrated and described. Shipping weight, about 180 lbs. Price...\$28.45



Ball Bearing Chain Drills.
Will put holes into iron, brass or other metals with little effort. Easy to operate. Fits any bit brace. Furnished with three feet of chain.

\$2.95
Goodell-Pratt Auto-matic. Has a ball bearing chuck for holding round shanks. 1/2 inch in diameter. Weight, about 2 1/2 lbs.

\$2.45
Goodell-Pratt Auto-matic. Has a ball bearing chuck for holding round shanks. 1/2 inch in diameter. Weight, about 2 1/2 lbs.

\$2.10
Marvell style D has a long combination chuck which holds standard 1/2 inch round shank drills and all sizes square, taper shank or bit stock drills. Drills held by set screw. Weight, about 2 1/2 lbs.

\$1.55
Marvell style D has a long combination chuck which holds standard 1/2 inch round shank drills and all sizes square, taper shank or bit stock drills. Drills held by set screw. Weight, about 2 1/2 lbs.

\$2.10
Marvell style D has a long combination chuck which holds standard 1/2 inch round shank drills and all sizes square, taper shank or bit stock drills. Drills held by set screw. Weight, about 2 1/2 lbs.

\$1.55
Marvell style D has a long combination chuck which holds standard 1/2 inch round shank drills and all sizes square, taper shank or bit stock drills. Drills held by set screw. Weight, about 2 1/2 lbs.

BIT STOCK DRILL SET IN WOOD CASE.
Consists of 10 round shank drills, as shown, each size, 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, and 3/4 inch. Put up in wood case. Weight, about 1 pound.

\$1.90
9R5624—Price, per set.....\$1.90

Set of four bit stock drills, as shown, one each, 1/16, 1/8, 3/16, and 1/2 inch, and one square reamer per bit, in round wood case.

\$2.00
9R5625—Price, per set.....\$2.00

FLAT COUNTERSINK BITS FOR METAL.
Forged, prop-tempered. Weight, about 2 ounces.

18c
9R5642—Price.....18c

STEEL COUNTERSINKS.
With 1/2 inch round shanks. 1/2 in. will fit any of our blacksmiths' drills. State size.

40c
9R5644—Price.....40c

OCTAGON REAMER.
Made of steel, properly tempered. Reams hole up to 1/2 inch. Weight, about 4 oz.

36c
9R5649—Price.....36c

KNURLED PRICK PUNCH.
Tempered at both ends. Diameter, 3/8 in. Weight, 2 oz.

14c
9R5735—Price.....14c

KNURLED CENTER PUNCH.
Tempered at both ends. Diameter, 3/8 in. Weight, 2 ounces.

15c
9R5734—Price.....15c

MACHINISTS' HANDY SET.
Consists of one each large and small cone chisel, large and small straight angle, rivet set, large and small round nose chisel, small center punch, 1/2 in. and 3/4 in. chisels, 1 3/4 inch center punch, solid punch, saddlers' drive punch, 5/8 hole prick punch and cup point nail set 1/2 inch point. All made from steel and knurled. 1/2 inch in diameter. Weight, about 2 pounds.

\$2.80
9R5736—Price, set.....\$2.80

Universal Surface Gauges.
Starrett's No. 57. State size wanted.

\$3.35
9R5988—Price, set.....\$3.35

Base, Spindle, Abt.,
Size, In. In. Lbs. Price
3 1/2 12 4 3.35
3 1/2 12 & 18 5 3.90

30c 3/16-Inch Round Shank Drill Bits 35c 1/4-Inch

WITH 1/2-INCH SHANKS. FIT ANY OF OUR BLACKSMITHS' DRILLS.

9R5633—All drills are ground to micrometer caliper gauge after tempering, and sizes given are exact. Every bit thoroughly inspected and fully guaranteed. State size.

Size, inch.....	1/16	5-32	3-16	7-32	1/8	9-32	5-16	11-32	3/8	13-32
Weight, about, ounces.....	2	2	2	2	2	3	3	3	3	3
Price.....	26c	28c	30c	32c	35c	38c	41c	44c	47c	50c

Size, inch.....	7-16	15-32	1/4	17-32	9-16	19-32	5/8	21-32	11-16	23-32
Weight, about, ounces.....	3	4	4	4	4	4	6	6	6	6
Price.....	53c	56c	59c	63c	67c	71c	75c	80c	86c	93c

Size, inch.....	3/8	25-32	13-16	27-32	3/4	29-32	15-16	31-32	1
Weight, about, oz.....	8	8	8	8	8	8	12	12	12
Price.....	\$1.00	\$1.07	\$1.14	\$1.21	\$1.28	\$1.35	\$1.42	\$1.49	\$1.56

\$3.90 Set of 8 Round Shank Drills. Set contains one each 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 inch. Weight, about 2 pounds.

\$2.75 SET OF 6 Round Shank Drills. Set contains one each 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 inch. Weight, about 1 1/4 pounds.

9R5635—Price, per set...\$3.90
9R5634—Price, per set...\$2.75

STRAIGHT SHANK TWIST DRILLS.

\$8.85 Cannot be used in the ordinary bit brace. Must be used in a chuck made for round shank drills. The shank and twist are the same size. We recommend the purchase of a complete set with stand, as this is the handiest way to keep drills. Stand has a hole for every size drill with size marked near it.

9R5629—Set of 29 Straight Shank Twist Drills, sizes 1/16 to 1/2 inch by 64ths, mounted on a nickel plated stand as illustrated. Weight, abt. 6 pounds.
Price, per set...\$8.85

9R5628—Set of 60 Straight Shank Twist Drills, wire gauge sizes 1 to 60, mounted on revolving nickel plated stand as illustrated. Weight, about 4 pounds.
Price per set...\$7.65

9R5627—Straight Shank Twist Drills. State size wanted.

Diam. in 64ths	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Length, inches.....	2 1/2	2 3/4	2 3/4	2 3/4	2 3/4	3 1/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	4 1/4	4 3/4	4 3/4
Price, each.....	7c	8c	9c	10c	10c	11c	11c	12c	13c	14c	15c	16c	17c	18c	19c

Diam. in 64ths	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Length, inches.....	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	6
Price, each.....	20c	22c	24c	26c	28c	30c	32c	35c	38c	42c	46c	51c	56c	62c

Chucks with 1/2-inch shanks to take above straight drills shown on page 1086.

12c 1/8-Inch. BIT STOCK DRILLS. 1/4-Inch 21c

These drills fit any bit brace and will drill steel, iron or other metals. Will bore any kind of wood without splitting and are not injured by contact with screws or nails. All drills are ground to micrometer gauge and sizes are exact. Drills 3/8 and larger have solid steel forged shanks, thereby giving increased strength. Points of drills should be kept well oiled when drilling metal. State size wanted.

9R5622

Size, inch.....	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8
Wt., about, oz.....	1/2	1	1 1/2	2	2 1/2	3 1/2	4 1/2	5 1/2	6 1/2	8 1/2	10 1/2	12 1/2	14 1/2
Price, each.....	10c	11c	12c	14c	16c	18c	21c	24c	27c	30c	34c	38c	42c

Size, inch.....	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4
Wt., about, oz.....	4	4 1/2	5 1/2	6 1/2	7 1/2	8 1/2	9 1/2	10 1/2	11 1/2	12 1/2	14 1/2	16 1/2	18 1/2
Price, each.....	34c	38c	42c	47c	52c	57c	62c	67c	72c	77c	82c	87c	92c

95c and up
9R5976 Perfect Firm Joint Screw Adjusting Calipers.
Quick and accurate adjustment for fine work. State size.

45c and up
9R5972 IMPROVED FIRM JOINT CALIPERS.
Joint held with screw which adjusts tension. State size.

65c and up
9R5974 YANKER CALIPERS.
Light but reliable, with spring or solid nut. State size.

\$1.00 and up
9R5978 FAY PATENT SPRING CALIPERS.
With solid or spring nut. State size.

9R5977 Inside Calipers, Starrett's No. 35.
Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

9R5976 Outside Calipers, Starrett's No. 34.
Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

9R5977 Inside Calipers, Starrett's No. 35.
Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

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Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

9R5977 Inside Calipers, Starrett's No. 35.
Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

9R5978 Outside Calipers, Starrett's No. 34.
Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

9R5979 Inside Calipers, Starrett's No. 35.
Price, Each \$0.95
Size Wt., Abt. Each
4 in. 2 oz. \$0.95
6 in. 4 oz. 1.15
8 in. 6 oz. 1.35
10 in. 8 oz. 1.65
12 in. 10 oz. 1.95
14 in. 12 oz. 2.25
16 in. 14 oz. 2.55
18 in. 16 oz. 2.85
20 in. 18 oz. 3.15
24 in. 24 oz. 3.45

\$1.20 Extension Dividers. 9R5498
6-Inch State size.
Scribes
Size, Circle, Weight, Price
In. In. About
6 28 8 oz. \$1.20
8 35 11 oz. 1.45
10 50 1 lb. 1.75

50c Forged Steel Wing Dividers. 9R5496—State size.
8-Inch
Size Wt., Abt. Price
6 in. 4 oz. 35c
8 in. 6 oz. 50c
10 in. 8 oz. 65c

See our line of Expert Lathes shown on page 1085.

Samson Strong Swivel Bottom Bench Vise. \$6.95
3-IN. JAWS.

\$9.90
4-in. Jaws.

Samson Strong Blacksmiths' Bench Vises have cold rolled steel screws and handles. Jaws have tempered steel. Equipped with quick acting swivel base. Finished in dull black. Bolts furnished for fastening vise to bench.

Width Opens, About, Jaws, In. In. Lbs. Price
9R5230 3 3/4 26 \$6.95
9R5231 3 1/2 5 34 8.60
9R5232 4 6 45 9.90
9R5233 4 1/2 60 11.95
9R5234 5 7 84 15.85

\$9.40 Machinists' Standard Pattern Tool Chest.

Made of selected hardwood, nicely finished and fitted with brass cylinder lock, brass plated hinges and brass drawer pulls and drop handles. When lid is closed patent device automatically locks all drawers at once.

9R5394—With three drawers. Size, 24x14x12 1/2 inches high, outside measurements. Shipping wt., about 40 lbs...\$9.40

Starrett's Speed Indicators.
Show the exact speed at which any shaft is running.

9R5984 \$1.15
9R5985 \$1.65
9R5986 \$3.40

9R5984 Starrett's No. 104. With metal handle. Graduations show every revolution. Weight, about 4 oz.
Price, with two rubber tips...\$1.15

9R5985 Starrett's No. 106. With hard rubber handle. Graduations show every revolution. Weight, about 4 oz.
Price, with two rubber tips...\$1.65

9R5986 Starrett's No. 107. Automatic registers hundreds as well as units and tenths. Hard rubber handle. Weight, about 6 oz.
Price with two rubber tips...\$3.40

9R5987—Leatherette Case for any of the above indicators. Wt., abt. 4 oz. 55c

TALLY REGISTER OR COUNTING MACHINE. \$2.35
Automatically registers from 1 to 999. Can be set to zero at will. Nickel plated. Weight, about 4 ounces.
9R5989—Price, \$2.35

MICROMETER.
Starrett's No. 3. 1 inch, for measurement by thousandths up to 1 inch. Has locknut and ratchet stop. Wt., about 8 oz.
9R5980—Price.....\$8.90

SPRING TEMPERED STEEL RULES.
Thickness, 18-gauge or 32. Temper 1024
1 2 3 4 5 6 7 8 9 10 11 12
6-in. 3/4 1 in. 1 1/4 1 3/4 2 2 1/4 2 3/4 3 3 1/4 3 3/4 4 4 1/4 4 1/2 4 3/4 5 5 1/4 5 3/4 6 6 1/4 6 3/4 7 7 1/4 7 3/4 8 8 1/4 8 3/4 9 9 1/4 9 3/4 10 10 1/4 10 3/4 11 11 1/4 11 3/4 12 12 1/4 12 3/4 13 13 1/4 13 3/4 14 14 1/4 14 3/4 15 15 1/4 15 3/4 16 16 1/4 16 3/4 17 17 1/4 17 3/4 18 18 1/4 18 3/4 19 19 1/4 19 3/4 20 20 1/4 20 3/4 21 21 1/4 21 3/4 22 22 1/4 22 3/4 23 23 1/4 23 3/4 24 24 1/4 24 3/4 25 25 1/4 25 3/4 26 26 1/4 26 3/4 27 27 1/4 27 3/4 28 28 1/4 28 3/4 29 29 1/4 29 3/4 30 30 1/4 30 3/4 31 31 1/4 31 3/4 32 32 1/4 32 3/4 33 33 1/4 33 3/4 34 34 1/4 34 3/4 35 35 1/4 35 3/4 36 36 1/4 36 3/4 37 37 1/4 37 3/4 38 38 1/4 38 3/4 39 39 1/4 39 3/4 40 40 1/4 40 3/4 41 41 1/4 41 3/4 42 42 1/4 42 3/4 43 43 1/4 43 3/4 44 44 1/4 44 3/4 45 45 1/4 45 3/4 46 46 1/4 46 3/4 47 47 1/4 47 3/4 48 48 1/4 48 3/4 49 49 1/4 49 3/4 50 50 1/4 50 3/4 51 51 1/4 51 3/4 52 52 1/4 52 3/4 53 53 1/4 53 3/4 54 54 1/4 54 3/4 55 55 1/4 55 3/4 56 56 1/4 56 3/4 57 57 1/4 57 3/4 58 58 1/4 58 3/4 59 59 1/4 59 3/4 60 60 1/4 60 3/4 61 61 1/4 61 3/4 62 62 1/4 62 3/4 63 63 1/4 63 3/4 64 64 1/4 64 3/4 65 65 1/4 65 3/4 66 66 1/4 66 3/4 67 67 1/4 67 3/4 68 68 1/4 68 3/4 69 69 1/4 69 3/4 70 70 1/4 70 3/4 71 71 1/4 71 3/4 72 72 1/4 72 3/4 73 73 1/4 73 3/4 74 74 1/4 74 3/4 75 75 1/4 75 3/4 76 76 1/4 76 3/4 77 77 1/4 77 3/4 78 78 1/4 78 3/4 79 79 1/4 79 3/4 80 80 1/4 80 3/4 81 81 1/4 81 3/4 82 82 1/4 82 3/4 83 83 1/4 83 3/4 84 84 1/4 84 3/4 85 85 1/4 85 3/4 86 86 1/4 86 3/4 87 87 1/4 87 3/4 88 88 1/4 88 3/4 89 89 1/4 89 3/4 90 90 1/4 90 3/4 91 91 1/4 91 3/4 92 92 1/4 92 3/4 93 93 1/4 93 3/4 94 94 1/4 94 3/4 95 95 1/4 95 3/4 96 96 1/4 96 3/4 97 97 1/4 97 3/4 98 98 1/4 98 3/4 99 99 1/4 99 3/4 100 100 1/4 100 3/4 101 101 1/4 101 3/4 102 102 1/4 102 3/4 103 103 1/4 103 3/4 104 104 1/4 104 3/4 105 105 1/4 105 3/4 106 106 1/4 106 3/4 107 107 1/4 107 3/4 108 108 1/4 108 3/4 109 109 1/4 109 3/4 110 110 1/4 110 3/4 111 111 1/4 111 3/4 112 112 1/4 112 3/4 113 113 1/4 113 3/4 114 114 1/4 114 3/4 115 115 1/4 115 3/4 116 116 1/4 116 3/4 117 117 1/4 117 3/4 118 118 1/4 118 3/4 119 119 1/4 119 3/4 120 120 1/4 120 3/4 121 121 1/4 121 3/4 122 122 1/4 122 3/4 123 123 1/4 123 3/4 124 124 1/4 124 3/4 125 125 1/4 125 3/4 126 126 1/4 126 3/4 127 127 1/4 127 3/4 128 128 1/4 128 3/4 129 129 1/4 129 3/4 130 130 1/4 130 3/4 131 131 1/4 131 3/4 132 132 1/4 132 3/4 133 133 1/4 133 3/4 134 134 1/4 134 3/4 135 135 1/4 135 3/4 136 136 1/4 136 3/4 137 137 1/4 137 3/4 138 138 1/4 138 3/4 139 139 1/4 139 3/4 140 140 1/4 140 3/4 141 141 1/4 141 3/4 142 142 1/4 142 3/4 143 143 1/4 143 3/4 144 144 1/4 144 3/4 145 145 1/4 145 3/4 146 146 1/4 146 3/4 147 147 1/4 147 3/4 148 148 1/4 148 3/4 149 149 1/4 149 3/4 150 150 1/4 150 3/4 151 151 1/4 151 3/4 152 152 1/4 152 3/4 153 153 1/4 153 3/4 154 154 1/4 154 3/4 155 155 1/4 155 3/4 156 156 1/4 156 3/4 157 157 1/4 157 3/4 158 158 1/4 158 3/4 159 159 1/4 159 3/4 160 160 1/4 160 3/4 161 161 1/4 161 3/4 162 162 1/4 162 3/4 163 163 1/4 163 3/4 164 164 1/4 164 3/4 165 165 1/4 165 3/4 166 166 1/4 166 3/4 167 167 1/4 167 3/4 168 168 1/4 168 3/4 169 169 1/4 169 3/4 170 170 1/4 170 3/4 171 171 1/4 171 3/4 172 172 1/4 172 3/4 173 173 1/4 173 3/4 174 174 1/4 174 3/4 175 175 1/4 175 3/4 176 176 1/4 176 3/4 177 177 1/4 177 3/4 178 178 1/4 178 3/4 179 179 1/4 179 3/4 180 180 1/4 180 3/4 181 181 1/4 181 3/4 182 182 1/4 182 3/4 183 183 1/4 183 3/4 184 184 1/4 184 3/4 185 185 1/4 185 3/4 186 186 1/4 186 3/4 187 187 1/4 187 3/4 188 188 1/4 188 3/4 189 189 1/4 189 3/4 190 190 1/4 190 3/4 191 191 1/4 191 3/4 192 192 1/4 192 3/4 193 193 1/4 193 3/4 194 194 1/4 194 3/4 195 195 1/4 195 3/4 196 196 1/4 196 3/4 197 197 1/4 197 3/4 198 198 1/4 198 3/4 199 199 1/4 199 3/4 200 200 1/4 200 3/4 201 201 1/4 201 3/4 202 202 1/4 202 3/4 203 203 1/4 203 3/4 204 204 1/4 204 3/4 205 205 1/4 205 3/4 206 206 1/4 206 3/4 207 207 1/4 207 3/4 208 208 1/4 208 3/4 209 209 1/4 209 3/4 210 210 1/4 210 3/4 211 211 1/4 211 3/4 212 212 1/4 212 3/4 213 213 1/4 213 3/4 214 214 1/4 214 3/4 215 215 1/4 215 3/4 216 216 1/4 216 3/4 217 217 1/4 217 3/4 218 218 1/4 218 3/4 219 219 1/4 219 3/4 220 220 1/4 220 3/4 221 221 1/4 221 3/4 222 222 1/4 222 3/4 223 223 1/4 223 3/4

Tiger Blower

\$17⁰⁰

Dimensions:
Height, 43 inches;
fan case, 11 1/4 in.
in diameter; fan,
8 1/2 in. in diameter.
Shipping wt., about
120 pounds.



Tiger Blower

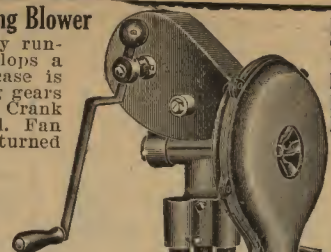
A high grade blower giving a strong, steady blast. Has flat straight cut gears, steel shafts and composition bearings. Gear case is oiltight and dustproof, permitting gears to run in continuous bath of oil. Blower case can be raised or lowered. Crank turns forward or backward.

99R5001—Price, complete with piping and heavy anti-clinker tuyere, as illustrated **\$17.00**

Niagara Spiral Geared Ball Bearing Blower

A high grade well finished easy running hand power blower. Develops a steady, powerful blast. Gear case is dustproof and oiltight, permitting gears to run in a continuous bath of oil. Crank turns either forward or backward. Fan case can be raised, lowered or turned in any direction. Shipping wt., about 130 pounds.

99R5002—Price, complete with piping and tuyere, as illustrated **\$29.50**



\$29⁵⁰

Dimensions: Tuyere, 10x8 3/4x4 1/2 in. (inside measurement); 12-inch fan case adjustable from 44 to 48 inches in height.

Niagara
Spiral
Gear
Ball
Bearing
Blower

Fitted
iron cut
gear, steel
worm gear
and bronze
spiral gear.

Clark's Tuyere Irons.

With dump and shaker. Made of cast iron.
99R5311—Medium size. Shipping wt., about 22 pounds. **\$1.45**
99R5312—Large size. Shipping weight, about 28 pounds. **\$1.95**

Norton's Adjustable Blast Tuyere Iron.

Blast regulated by turning large rod; cinders and ashes removed by pulling small rod. Levers and spring can be changed to either side for right or left hand use. Shipping weight, about 25 pounds.
99R5315—Price **\$2.05**

\$1⁴⁵



Duck Nest Tuyere Iron.

Made of cast iron. Shpg. wt., about 13 lbs.
99R5310 **75c**

Price **75c**

Acme Combination Forge and Blower

\$34⁰⁰



Capacity to heat 4-inch iron. Plenty of surplus heat to weld the largest size wagon axle. The forge for the shop where the work is heavy.

A Strictly High Grade Large Size Forge for Heavy Work.

It pays to buy the best. This is the largest and best forge that we sell and we cannot recommend it too highly. It is well made of good material and is of heavy construction throughout. Actual weight is about 270 pounds. Length over all, 53 inches.

Large hearth measures 45x31 1/2 inches. measures 30 inches. Anti-clinker tuyere; tuyere ball furnishes both side and center blast. Blower is powerful and easy to operate, has straight cut flat gears which run in a continuous bath of oil; gear case is oiltight and dustproof. Crank turns either forward or backward. Fan case is 11 1/4 inches in diameter.

99R5036—Acme Combination Crank Forge, with coal box, half hood and tool rest, as illustrated. Shipping weight, about 290 pounds. Price **\$34.00**

Water Tank.

99R5042—To fit above forge. Shipping wt., about 36 lbs. Price, extra **\$4.60**



A High Grade Forge That Will Meet All the Requirements of the Ordinary Shop.

Hearth measures 35 1/4x24 1/2 inches. Height from floor to top of hearth, 30 in. Equipped with duck nest fire pot and anti-clinker tuyere. Blower is 12 inches in diameter and is equipped with adjustable hand lever and rate clutch as shown in the illustration. Comes complete either with half hood or shield as desired.

99R5032—Improved Vulcan Forge, with half hood, as illustrated, for indoor use. Shipping weight, about 195 pounds. Price **\$21.95**
99R5031—Improved Vulcan Forge, with shield. Shipping weight, about 190 pounds. Price **\$19.95**

Water Tank.

99R5040—Fits our Peerless forges. Shipping weight, about 18 pounds. Price, extra **\$2.10**



Peerless Combination Forge and Blower.

\$26⁵⁰

With Half Hood.



For the Farmer, Blacksmith, Ranchman, Horseshoer and Boiler Maker.

Capacity to heat 3-inch iron. Size of hearth, 35 1/2x24 1/2 inches; equipped with duck nest fire pot and anti-clinker tuyere.

Has 9-inch blower. Crank turns either forward or backward, has straight cut flat gears which run in a continuous bath of oil. Gear case is oil-tight and dustproof. Height from floor to top of hearth, 30 inches. A forge that will require but little attention and will give you years of satisfactory service.

99R5034—Peerless Combination Forge and Blower, with half hood as illustrated. Shipping weight, about 180 pounds. Price **\$26.50**
99R5033—Peerless Combination Forge and Blower, with shield. Shpg. wt., about 175 lbs. Price **\$24.25**

Water Tank.

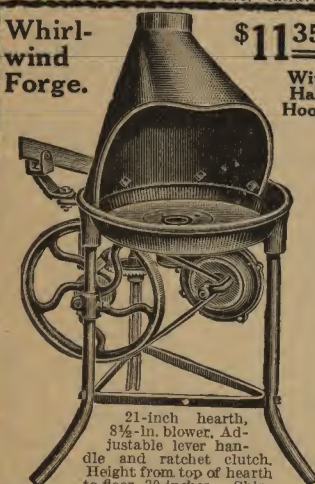
99R5040—Fits our Peerless forges. Shipping weight, about 18 pounds. Price, extra **\$2.10**



Whirlwind Forge.

\$11³⁵

With Half Hood.



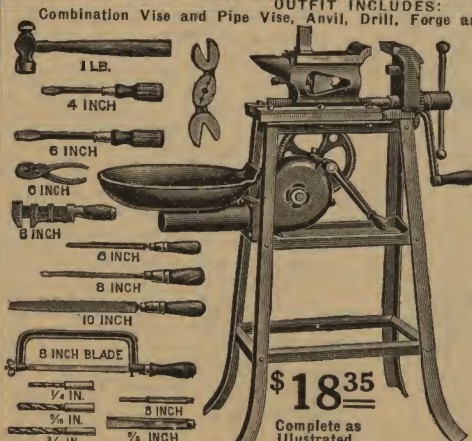
21-inch hearth, 8 1/2-in. blower. Adjustable lever handle and ratchet clutch. Height from top of hearth to floor, 30 inches. Shipping wt., about 100 lbs.

99R5028—Whirlwind Forge, with half hood as illustrated. **\$11.35**
99R5027—Whirlwind Forge, with shield **\$10.50**

Farmers' Big Combination Repair Outfit.

A Big Outfit of 16 High Grade, Useful Tools. Invaluable for Making Quick Repairs in Busy Times. Saves valuable time that would otherwise be spent on the road to and from the blacksmith shop. These tools will enable you to make all ordinary repairs in a few minutes' time. On even a small size farm this outfit will save its first cost many times over.

OUTFIT INCLUDES:



\$18³⁵

Complete as illustrated.

Combination Vise and Pipe Vise, Anvil, Drill, Forge and Blower. Vise jaws are 3 1/2 inches wide and open 9 in. Pipe vise takes any size pipe up to 1 1/4 inches outside measurement. Anvil measures 12 inches long over all and is furnished with handle. Drill takes all sizes round shank drills with 1/2-inch shank. Blower has crank handle, works easily and furnishes a sufficiently powerful draft to heat all ordinary work.

Blacksmith's 1-Lb. Hammer. Solid Frame Hack Saw with 8-inch blade. 8-Inch Steel Monkey Wrench. 6-Inch Handy Pliers. Thread Cleaner and Alligator Wrench. 6-Inch Champion Pattern Screwdriver. 4-Inch Champion Pattern Screwdriver. 6-Inch Cold Chisel. 6-Inch Punch. 6-Inch Slim Taper File. 8-Inch Round Bastard File. 10-Inch Flat Mill File. 1/4-Inch Round Shank Drill. 3/8-Inch Round Shank Drill. 1/2-Inch Round Shank Drill.

99R5005—Farmers' Big Combination Repair Outfit, as illustrated and described. Shipping weight, about 150 pounds. Price **\$18.35**
99R5006—Combination Vise and Pipe Vise, Anvil, Drill, Forge and Blower only, without any tools. Shpg. wt., about 135 lbs. Price **\$14.50**

Invincible Forge.

This forge, suitable for farms and repair work where work is light, is a very popular low priced forge. Has 18-in. hearth and 8-inch blower with hand lever. Height from top of hearth to floor, 30 in.



99R5025—Invincible Forge. Shipping weight, about 90 pounds. Price, with shield as illustrated **\$9.80**
99R5026—Invincible Forge, with fully enclosed hood, made of heavy sheet metal with sliding doors for use indoors, where sparks and escaping gas are objectionable. Shipping weight, about 100 pounds. Price **\$11.50**

75c Machinists' Ball Pein Hammers.

No. 2

16c FULTON GOLD CHISELS.

5/8-in.

20c Blacksmiths' Hand Hammers.

\$1.15

No. 2

Forged steel, with handles. Weight includes handles. State size.

Size	No.	00	0	1	2	3	4
Wt., about	1 lb.	1 1/4 lbs.	1 1/2 lbs.	1 3/4 lbs.	2 lbs.	2 1/4 lbs.	2 1/2 lbs.
Price	60c	65c	70c	75c	80c	85c	

Forged from tough steel and tempered. Size given is size of steel bar from which chisel is made. State size.

Size	No.	00	0	1	2	3	4
Wt., about	1 lb.	1 1/4 lbs.	1 1/2 lbs.	1 3/4 lbs.	2 lbs.	2 1/4 lbs.	2 1/2 lbs.
Price	12c	16c	20c				

Forged steel, with handles. Weight includes handles. State size.

Size	No.	00	0	1	2	3	4
Wt., about	1 lb.	1 1/4 lbs.	1 1/2 lbs.	1 3/4 lbs.	2 lbs.	2 1/4 lbs.	2 1/2 lbs.
Price	1.10	1.15	1.20	1.25			

MACHINISTS' HICKORY HAMMER HANDLES.

6c

Length, 16 inches. Weight, each, about 6 ounces.

9R5757

Price, each..... 6c

FARRIERS' ADZE EYE HAMMER.

62c

Forged steel complete with handle. Weight, about 14 ounces.

9R5746—Price..... 62c

FARRIERS' KEYSTONE INTER-CHANGEABLE BLADE KNIFE.

50c

Strong, convenient and durable. Good steel

9R5770—Weight, about 6 ounces. Price, complete..... 50c

9R5771—Weight, about 4 ounces. Price, handles only..... 25c

9R5772—Weight, about 2 ounces. Price, blades, each..... 30c

HORSESHOERS' TOE KNIFE.

40c

HORSESHOERS' CAST STEEL BUFFER.

40c

For cutting off driving nails

9R5774—Weight, about 10 oz. Price..... 40c

"SURE-FOOT" HORSESHOE SCREW CALKS.

With Improved Exposed Hardened Steel Centers.

They save your animals and save you money. Note our remarkably low prices.

Size, 50

Wt. per

Price, per

9R3320 1 1/4 lbs. \$0.90

9R3321 1 1/2 lbs. .95

9R3322 1 3/4 lbs. 1.00

9R3323 2 lbs. 1.05

9R3324 2 1/4 lbs. 1.10

Note—Screw calks are sold only in full packages of 50 calks of any size. We do not break packages.

60c FULTON E-Z-CUT HORSE RASPS.

16-in.

Long, slender. Cut easier and better than wide rasps. Guaranteed to give satisfaction. State length.

Length, inches..... 16 18 2 1/2

Wt., about, lbs..... 2 2 1/2

9R5713—Price..... 60c 70c

35c FULTON E-Z-CUT HORSE RASPS.

12-in.

Cut fast, wear well and last a long time. Always give satisfaction. State length.

Length, inches..... 12 14 16

Wt., about, lbs..... 1 1 1/2 2 3

9R5712—Price..... 35c 45c 60c

HELLER BROS.' BLACKSMITHS' TOOLS.

HELLER BROS.' CLINCH TONGS.

\$1.90

Made of steel. Length, 14 inches. Weight, about 2 pounds.

9R5797—Price..... \$1.90

HELLER BROS.' FARRIERS' TONGS.

50c

Made of steel. State length. Wt., about 2 lbs.

Length, inches..... 14 16

9R5793—Price..... 50c 55c

HELLER BROS.' CUTTING NIPPERS.

\$1.70

Made of steel, tempered jaws. State length.

Length, inches..... 10 12 14

Wt., about, lbs..... 1 1 1/2 2 3

9R5795—Price..... \$1.35 \$1.70 \$2.00

FARRIERS' PINCHERS.

\$1.30

Made of steel, properly tempered.

Length, inches..... 12 14 16

Wt., about, lbs..... 1 1 1/2 2 3

9R5794—Price..... \$1.30 \$1.70 \$2.10

HELLER BROS.' HOOF PARERS.

Made of steel.

State length.

Length, inches..... 12 14 16

Wt., about, lbs..... 1 1 1/2 2 3

9R5796—Price..... \$1.75 \$2.05

HELLER BROS.' HORSE RASPS.

45c

Made of steel, carefully cut and properly tempered. Slim. State length.

Length, inches..... 12 14 16 18

Wt., about, lbs..... 1 1 1/2 2 2 1/2 3

9R5714—Price..... 35c 45c 55c 70c

HELLER BROS.' HORSE-SHOERS' DRIVING HAMMERS.

95c

Forged steel. Weight includes handle. State weight.

9R5742

Weight, about 14 oz. Price..... \$0.95

Weight, about 16 oz. Price..... 1.00

HELLER BROS.' HORSE-SHOERS' DRIVING HAMMERS.

Forged steel. Weight includes handle. State weight.

14 oz., each, \$1.05; 16 oz., each, \$1.10

HELLER BROS.' FARRIERS' SHARPENING HAMMERS.

210

Heller Bros., No. 67. Wt. includes handle. State wt. 2 1/4-lb.

9R5744

Price, 2 lbs. \$2.05; 2 1/4 lbs. \$2.10

HELLER BROS.' FARRIERS' ROUNDING HAMMERS.

\$2.15

Heller Bros., No. 61. Weight includes handle. State weight.

9R5745

Price, 2 1/4 lbs. \$2.10; 2 1/2 lbs. \$2.15

HELLER BROS.' FARRIERS' ADJUSTABLE IRON HANDLE KNIFE.

60c

Steel blade. Weight, about 6 ounces. State width.

9R5769

Width of blade, inch, 3/4. Price..... 56c

Width of blade, inch, 1. Price..... 60c

HELLER BROS.' FARRIERS' ADJUSTABLE IRON HANDLE KNIFE.

53c

Can be adjusted to three lengths of blade. State width. Weight, abt. 4 oz.

9R5768

Width of blade, inch, 3/4. Price..... 53c

Width of blade, inch, 1. Price..... 55c

FORGED STEEL, WITH HANDLES. PLOW OR ENGINEERS' HAMMERS.

90c

Weight, about 1 1/2 lbs. Price..... \$0.90

Weight, about 2 1/2 lbs. Price..... 1.05

BLACKSMITHS' HICKORY HAMMER HANDLES.

Length, 16 inches.

Weight, each, about 8 oz.

9R5755—Price, each..... 6c

55c RIVETING HAMMERS.

No. 1 Forged steel. Weight includes handles. State weight.

9R5748

Size No..... 1 2 3 4

Wt., about, oz. 10 12 16 18

Price..... 55c 60c 65c 70c

HICKORY RIVETING HAMMER HANDLES.

Length, 14 in.

Weight, each, about 6 ounces.

9R5756—Price, each..... 6c

HORSESHOERS' TURNING SLEDGES.

Cast steel. Without handle. State weight.

6-lb. 9R5754

Weight, about, lbs. 6 8 10 12 14 16

Price..... \$1.44 \$1.92 \$2.40

UNHANDLED HAND HAMMERS.

Unhandled Hand 50c

Hammers. Made of steel. State weight, and up.

9R5751

Wt., about, lbs. 2 2 1/2 3 3 1/2 4 1/2

Price..... 50c 60c 70c 80c \$1.00

\$1.20 BLACKSMITHS' SLEDGES. \$1.50

8-lb. 10-lb.

9R5752 Double Face. 9R5753 Single Face.

Guaranteed against defects. State weight and whether single or double face is wanted.

Single and double face same price. Without handle.

Wt., abt., lbs. 6 8 10 12 14 16

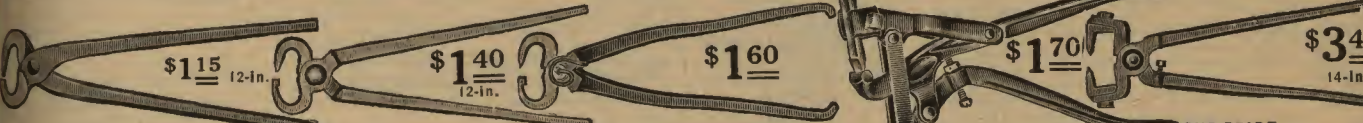
Price..... 90c \$1.20 \$1.50 \$1.80 \$2.10 \$2.40

HICKORY SLEDGE HANDLE. 21c

Straight grain, selected, 36 inches long.

Weight, about 1 1/2 pounds.

9R5739—Price..... 21c



E-Z CUT HOOF PARERS.

Made of steel, tempered jaws.

Length, Abt., In. Lbs. Price

9R5758 12 1 1/4 \$1.15

9R5759 14 2 1.35

HIGH GRADE HOOF PARERS.

Made of steel, tempered jaws.

Length, Abt., In. Lbs. Price

9R5760 12 2 \$1.40

9R5761 14 2 1/2 1.65

ECLIPSE HOOF CUTTER.

Cutting edge being beveled gives it a drawing cut; spring throws the tool open as soon as cut is made. It is easy to grasp with one hand. Has 1-inch cut; opens 1 1/2 inches; length, 14 inches. Weight, about 2 1/2 pounds.

9R5762—Price..... \$1.60

"SURE-CUT" HOOF TRIMMER.

Compound levers make cutting easy. Has malleable iron handles, tempered steel, removable cutter and is adjustable to take up wear. 1-inch cut, opens 1 1/2 in.; 1 1/2 in. long. Weight, about 2 1/2 pounds.

9R5763—Price..... \$1.70

Drop forged steel knives, jaws and handles. Ball bearing joint reduces friction. Interchangeable knives make repairs easy. Adjustable to take up wear.

9R5764—Length, about 12 inches; weight, about 2 1/2 pounds. Price..... \$3.20

9R5765—Length, about 14 inches; weight, about 3 pounds. Price..... \$3.40

Extra Blades and Bolts for Our Pride Hoof Shears.

9R5766—For 12-in. shears. Wt., abt. 4 oz. Price. 75c

9R5767—For 14-in. shears. Wt., abt. 4 oz. Price. 80c

CLINCH TONGS.

\$1.55

For turning the clinch instead of using the hammer. Made of steel, tempered jaws. Length, about 14 inches. Weight, about 2 pounds.

9R5792—Price..... \$1.55

CUTTING NIPPERS.

\$1.45

Made of steel, tempered jaws. Well made and durable. State length.

9R5791

Length, inches, about..... 10 12 14

Wt., about, lbs..... 1 1 1/2 2 2 1/2

Price..... \$1.25 \$1.45 \$1.60

BLACKSMITHS' STRAIGHT LIP TONGS.

45c

Made of drop forged steel. Have grooves in center for holding round, square or octagon bars.

9R5788—About 20 inches long. Weight, about 2 1/2 lbs. Price..... 45c

9R5789—About 22 inches long. Weight, about 3 pounds. Price..... 55c

DROP FORGED STEEL BOLT TONGS.

55c

No welds to become loose. State length.

9R5790

Bolts, in. 1/8 3/8 1/2 5/8 3/4 1

Lgth, abt., inches..... 18 20 22 22 24 24

Wt., abt., lbs. 2 2 1/2 2 1/2 3 4 4

Price..... 45c 50c 55c 60c 70c 85c 95c

DROP FORGED STEEL GAD TONGS.

50c

No weld to become loose. About 18 inches long. Weight, about 2 1/2 pounds.

9R5798—Price..... 50c

FARRIERS' PINCHERS.

70c

Made of steel, tempered jaws. Length, about 14 in.

Weight, about 2 pounds.

9R5800—Price..... 70c

FARRIERS' PINCHERS.

\$1.35

Made of steel, tempered jaws. State length wanted.

9R5802

Length, about, inches..... 14 16

Weight, about, pounds..... 3 4

Price..... \$1.35 \$1.90

FARRIERS' DROP FORGED TONGS.

45c

Drop forged steel, about 14 inches long.

Weight, about 2 pounds.

9R5799—Price..... 45c

Blacksmiths' Solid Box Vise

Heavy steel jaws, tempered hard and tough. Screws are heavy and strong, threads are carefully cut and thread boxes are solid. Vise furnished with two loose screw collars to work on outside of jaws, which prevents binding. Lag screws furnished for fastening to bench.

	Weight, About, Lbs.	Width Jaws, In.	Price
99R5280	35	3 3/4	\$ 8.80
99R5281	40	4	9.65
99R5282	45	4 1/4	10.50
99R5283	50	4 1/2	11.15
99R5284	60	5	12.25
99R5285	70	5 1/4	13.35
99R5286	80	5 1/2	14.45
99R5287	100	6	18.70

Vise Boxes and Screws.
Fit any blacksmith's regular vise. Same quality we furnish in our 99R5280 to 99R5287 Vises above.

Size, In.	For Vises, Lbs.	Shipping Weight, About, Lbs.	Price
99R5291	1 1/2	35 to 50	\$ 3.80
99R5292	1 3/4	60 to 70	4.40
99R5293	1 1/2	80 to 90	4.90
99R5294	1 1/2	100 to 125	6.50

Combination Vise and Anvil With Jaws for Holding Pipe.



FOR OTHER PIPE VISES SEE PAGE 1092.

A useful tool for light work on the farm. Jaws are 3 inches wide and open about 3 inches. Lag screws furnished for fastening to bench. Shipping weight, about 25 pounds.

99R5270—Price\$1.55

95c Little Samson Clamp Vise.

Suitable for watchmakers, jewelers, etc. Made of cast iron with steel screws and lever.

Width Jaws	Opens About	Weight, About	Price
99R5581	1 1/2 in.	2 lbs.	\$0.95
99R5582	2 in.	3 lbs.	1.30

Standard Pattern Clamp Vise.

Suitable for light household and amateur use.

Width Jaws, Abt.	Wt., Abt.	Price
99R5584	1 1/2 in.	1 1/2 lbs. 55c
99R5585	2 in.	2 1/4 lbs. 80c

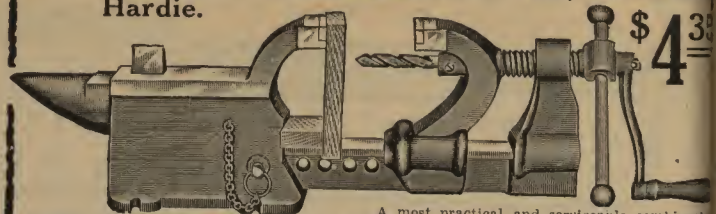
Parallel Bench Vise.



Adapted for metal or woodwork. Has oval slide bar, jaws faced with tempered steel, wrought screw and lever handle. Bolts furnished for fastening vise to bench.

Width Jaws, In.	Opens, In.	Shpg. Wt., Lbs.	Price
99R5190	2 1/2	3 3/4	7
99R5192	3	4	13
99R5193	3 1/2	4 1/2	20
99R5194	4	4 3/4	30

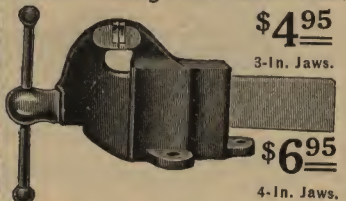
Our Improved Combination Drill, Vise, Anvil and Hardie.



A most practical and serviceable combination. Quickly converted from vise to drill and vice versa. Strong, durable and for all ordinary work will give good service. A heavy steel T beam is used for the slide or drawbar; jaws are faced with tempered steel; top of anvil is hardened. Drill chuck is bored to take 1/2-inch round shank drill bits. Anvil is provided with good steel hardie. Lag screws furnished for fastening to bench. Shipping weight, about 46 pounds.

99R5271—Price, without drill bits.....\$4.35
For Drill Bits to fit the above see 99R5633 on page 1087.

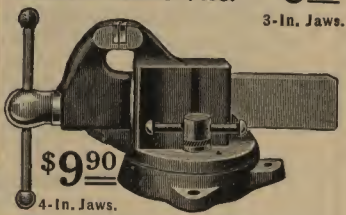
Samson Strong Solid Bench Vise.



Samson Vises have cold rolled steel screws and handles, jaws are faced with tempered steel and guaranteed to give satisfaction. Bolts furnished for fastening vise to bench.

Width Jaws, In.	Opens, In.	Shpg. Wt., About, Lbs.	Price
99R5210	3	4 1/2	24
99R5212	3 1/2	5	28
99R5213	4	6	41
99R5214	4 1/2	6 1/2	57
99R5215	5	7 1/2	68
99R5216	5 1/2	8	94
99R5217	6	8 1/2	127

Samson Strong Swivel Bottom Bench Vise.



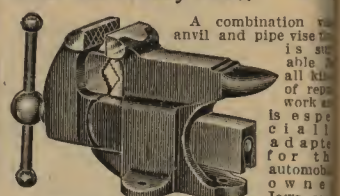
Samson Strong Blacksmiths' Bench Vises have cold rolled steel screws and handles, jaws are faced with tempered steel and are equipped with quick acting swivel base. Bolts furnished for fastening vise to bench.

Width Jaws, In.	Opens, In.	Shpg. Wt., About, Lbs.	Price
99R5230	3	4 1/4	26
99R5231	3 1/2	5	34
99R5232	4	6	45
99R5233	4 1/2	6 1/2	60
99R5234	5	7	84

19c Round Hand Punch.

99R5737—Hexagon steel, 8 inches long. State size point.
Size point, inch..... 1/4 3/8 1/2
Size steel shank, inch..... 3/8 1/2 3/4
Weight, about, oz..... 12 12 16
Price, each..... 17c 19c 21c

Samson Utility Vise With Stationary Base.

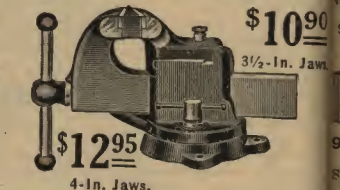


A combination anvil and pipe vise. It is suitable for all kinds of repair work and is especially adapted for the automobile owner. Jaws are 1 1/2 inches wide and are faced with tempered steel. Screw and handle are cold rolled steel. Will take pipe from 1/4 to 1 1/2 inches. Bolts furnished for fastening vise to bench. Shipping weight, about 30 pounds.

99R5250—Price\$7.45
NOTE—For other Combination Pipe and Bench Vises see page 1092.

Metal Workers' Masterworkman Special Vise

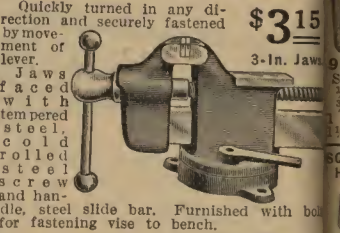
WITH SWIVEL BOTTOM AND SELF ADJUSTING JAWS.



Combines two of the greatest improvements ever put on a vise. Quickly turned in any direction and securely locked by slight turn of lever. Jaws are faced with tempered steel and are adjustable to wedge shaped or bevel shaped work and grips parts of it with same pressure. Bolts furnished for fastening vise to bench.

Width Jaws, In.	Opens About, In.	Shpg. Wt., Lbs.	Price
99R5240	3 1/2	5	40
99R5241	4	6 1/2	60

Solid Steel Slide Bar Vise With Swivel Bottom.

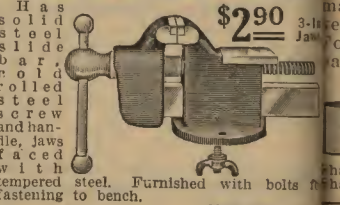


Quickly turned in any direction and securely fastened by movement of lever. Jaws faced with tempered steel, cold rolled steel screw and handle, steel slide bar. Furnished with bolts for fastening vise to bench.

Shpg. Wt., Width Jaws, In. Opens, In. About, Lbs. Price

99R5201	2 1/2	2 1/2	13	\$2.60
99R5202	3	3 1/2	15	3.10
99R5203	3 1/2	4	20	3.70
99R5204	4	6	30	5.30

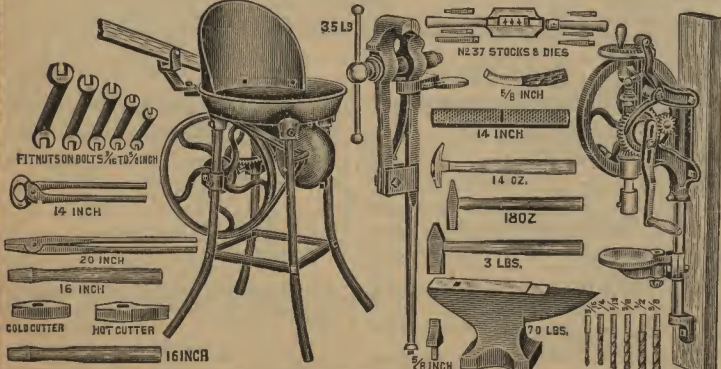
Solid Steel Slide Bar Vise.



Width Jaws, In.	Opens, In.	Shpg. Wt., About, Lbs.	Price
99R5195	2 1/2	2 1/2	11
99R5196	3	3 1/2	13
99R5197	3 1/2	4	16
99R5198	4	6	30

\$51.75 Our Eclipse Outfit of Blacksmiths' Tools \$51.75

YOU SAVE MONEY IN BUYING A COMPLETE OUTFIT.



Includes the most important tools, each one of high quality, the same that we furnish in our other outfits.

READ THESE DESCRIPTIONS CAREFULLY.

ANVIL. 70-pound cast anvil with tool steel face, ground and tempered. Point of horn is of solid steel.

FORGE. Invincible Lever Forge. Has 18-inch hearth, which stands 30 inches from floor, and 8-inch blower.

VISE. Blacksmiths' 35-pound wrought vise. Has solid box and tempered steel jaws.

DRILL. Acme Two-Speed Self Feed Post Drill. Takes 1/2-inch round shank drills, has 2 1/2-inch run of spindle and drills to center of 12-inch circle.

STOCK AND DIES NO. 37. Cut 3/8 to 1/2 inch, 14, 18 and 22 threads to the inch, six taps and three dies.

Outfit also includes assortment of good quality tools, as illustrated.

Shipping weight, about 290 pounds.

99R5010—Price, complete outfit, as illustrated and described \$51.75

Steel Face Cast Anvil

Face of this anvil is one solid piece of tempered steel, securely welded to body and guaranteed not to come off. Horn is tough untempered steel. Body, cast iron. A very low price anvil, guaranteed to give satisfactory service. State weight wanted.



Weight, About	Takes Hardie, Size	Price
20 lbs.	1/2 in.	\$ 5.60
40 lbs.	3/4 in.	7.60
60 lbs.	1 in.	8.60
80 lbs.	1 1/4 in.	9.60
100 lbs.	1 1/2 in.	10.60
120 lbs.	1 3/4 in.	11.60
140 lbs.	2 in.	13.60

99R5755

Acme American Wrought Anvil

"RINGS LIKE A BELL"

Correct in Temper, Design and Finish. High Grade in Quality, Material and Workmanship.



26c
Per
Pound.

26c
Per
Pound.

Stands the test of the most critical mechanic. The face is true and is carefully tempered by a process which makes it exceptionally hard without being brittle and very tough without being soft. The horn and heel are long and well shaped. The base, having a wide spread, insures great stability and prevents tipping when forging heavy work on the extreme ends of the anvil. State weight wanted.

OUR GUARANTEE

We guarantee the Acme Anvil to be absolutely satisfactory in everyday use, and if after using it in your shop for thirty days you are dissatisfied with it in any way, you may send it back at our expense and get your money back.

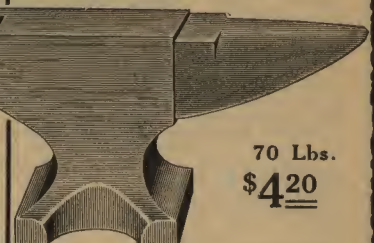
Furnished Only in the Following Weights:

Weight, About	Be Sure to State Weight Wanted.	100 lbs.	125 lbs.	150 lbs.	200 lbs.
Takes Hardie, Size	1/2 in.	1 in.	1 in.	1 in.	1 in.
99R5758—Price, per pound					26c

NOTE.—Weights of anvils are approximate and vary slightly. When ordering state weight wanted and we will ship nearest weight we have in stock and charge you per pound accordingly.

Cast Iron Farm Anvil

Face is ground smooth. A good anvil for ordinary farm use. At our prices every farmer can afford to own one of these serviceable tools.



70 Lbs.
\$420

99R5754—State size wanted.

Weight, about	50 lbs.	70 lbs.	100 lbs.
Takes Hardie, size	1/2 in.	3/4 in.	1 in.
Price	\$3.25	\$4.20	\$5.50

For Bar Iron, See Page 1065.

For Horseshoes, Toe Calks and Welding Compounds, See Page 1062.

Fulton Handy Pliers.



Length, 6 in. 25c

9R5832—Wire cutter and plier. State			
size.			
Length, 6 in.	Wt., about 8 oz.	Price..	25c
Length, 8 in.	Wt., about 12 oz.	Price..	35c
Length, 10 in.	Wt., about 14 oz.	Price..	45c

Steel Anvil Tools

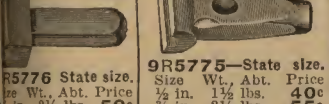
Made of high grade steel properly tempered and fully guaranteed. Weights vary slightly. Handles not included. For handles order 9R5757, shown on page 1089. State size wanted.



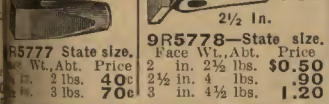
TRAIGHT HARDIE.	24c	HALF ROUND HARDIE.	65c
Weight, About	1/2 in.		
Shank, 1 lb.	24c		
Shank, 1 1/2 lbs.	27c		
Shank, 2 lbs.	32c		
Shank, 2 1/2 lbs.	40c		



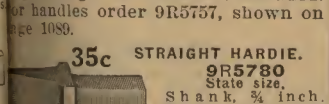
99R5779 State size.	Weight, About	Price
	1 lb.	24c
	1 1/2 lbs.	27c
	2 lbs.	32c
	2 1/2 lbs.	40c



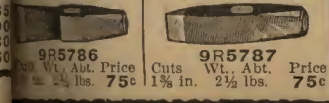
99R5784	Cuts	Wt., Abt.	Price
	1 1/2 in.	2 1/2 lbs.	60c
	2 in.	3 1/2 lbs.	60c
	2 1/2 in.	4 1/2 lbs.	60c



99R5776 State size.	Weight, About	Price
	1 lb.	50c
	1 1/2 lbs.	55c
	2 lbs.	65c
	2 1/2 lbs.	80c



99R5778—State size.	Weight, About	Price
	2 in.	\$0.50
	2 1/2 in.	90c
	3 in.	1.20



99R5786	Cuts	Wt., Abt.	Price
	1 1/2 in.	2 1/2 lbs.	75c
	2 in.	3 1/2 lbs.	75c
	2 1/2 in.	4 1/2 lbs.	75c

Mole Tire Shrinker or Upsetter



\$15.35

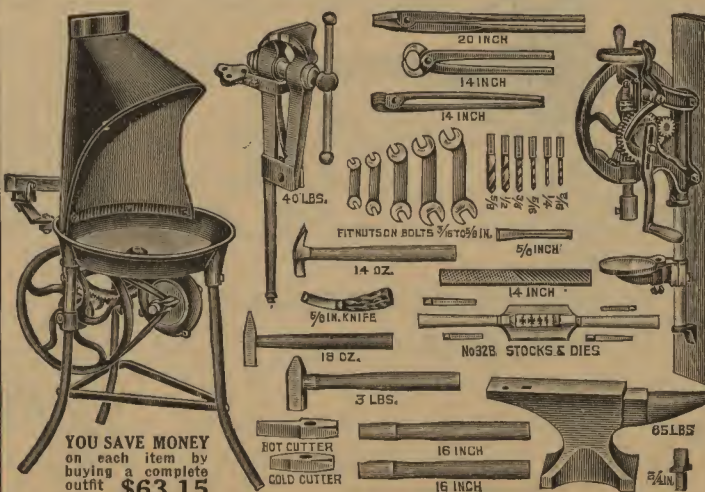
No. 2 With Anti-Kink. Shrinks Tires Up to 3 Inches Wide.

Note the Weights of Our Shrinkers.

By means of pin and three holes in end of lever bar, shrinker can be adjusted to take either light or heavy tires. Bringing down lever forces dogs to grasp tire and shrink it, making it shorter without cutting and welding. Made of cast iron, with steel pins, bolts and springs and casehardened dogs. So proportioned that the weight is distributed at points of greatest strain. Anti-Kink attachment holds tire down, not allowing it to kink or buckle up. We can only furnish sizes 2 and 3 equipped with Anti-Kink, as per list below. Size 1 not made with Anti-Kink attachment. All sizes furnished with iron lever stub for welding to any length handle desired.

99R5150	Size	Without Anti-Kink	Shrinks Tires, Inches	Shpg. Wt., About, Pounds	Price
99R5151	No. 2	Without Anti-Kink	Up to 2 1/2	130	\$ 8.95
99R5152	No. 3	Without Anti-Kink	Up to 3	210	14.35
99R5153	No. 2	With Anti-Kink	Up to 4	270	16.90
99R5154	No. 3	With Anti-Kink	Up to 3	230	15.35
			Up to 4	290	17.90

Our Acme Outfit of Blacksmiths' Tools



YOU SAVE MONEY on each item by buying a complete outfit at... \$63.15

Items listed in our Blacksmiths' Outfits are all standard high grade goods taken from our regular line.

\$63.15

Especially recommended for repair men, farmers and others who have use for a reliable outfit of blacksmiths' tools. Every item we put into this set is of good quality, fully guaranteed and meets the requirements of any workman.

READ THESE DESCRIPTIONS.

ANVIL. American Wrought Anvil. Wt., about 35 pounds. Made of tough steel, with face properly tempered. Has long well shaped horn and heel. Wide spread of base prevents tipping when forging heavy work on extreme ends.

FORGE. Our Whirlwind Portable Forge. Has 8 1/2-inch blower, 21-inch hearth, and measures 30 inches from floor to top of hearth.

DRILL. Our Acme Two-Speed Self Feed Post Drill. Takes 1/2-inch round shank drill bits, has 2 1/2-inch run of spindle and drills to center of 12-inch circle.

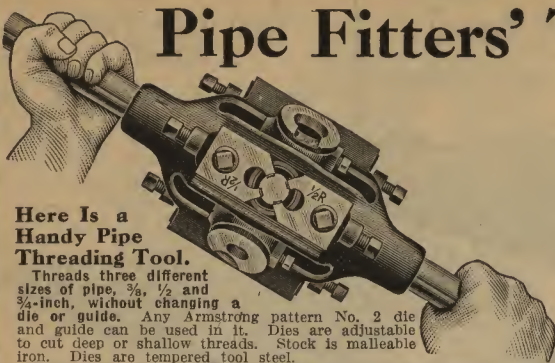
IRON VISE. Forty-Pound Blacksmiths' Wrought Iron Vise. Has solid box and hardened steel jaws.

STOCK AND DIES NO. 32B. Cut 3/4 to 1/2 inch, 10, 12, 14 and 16 threads to the inch; four taps and four dies.

Outfit also includes complete assortment of good quality tools, as illustrated.

Shpg. wt., complete outfit, about 330 lbs. 99R5011—Price, complete outfit as described... \$63.15

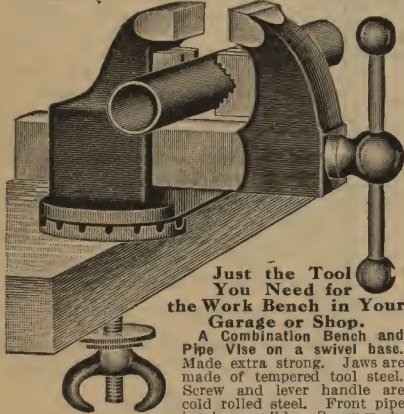
Pipe Fitters' Tools—Unusual Values



Here Is a Handy Pipe Threading Tool.

Threads three different sizes of pipe, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ -inch, without changing a die or guide. Any Armstrong pattern No. 2 die and guide can be used in it. Dies are adjustable to cut deep or shallow threads. Stock is malleable iron. Dies are tempered for steel.

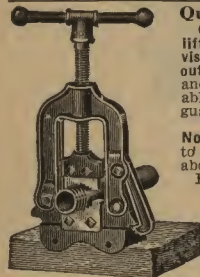
42R6011—Hercules 3 in 1 pipe stock with three dies and guides to thread $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe.
Price, each size.....\$9.70
42R6012—Extra dies for above stock, pipe sizes, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch.
Price, each size.....\$1.20
42R6013—Extra guides for above stock, pipe sizes, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch (the stock acts as a guide for 1-inch pipe). Price, each size.....25c



Just the Tool You Need for the Work Bench in Your Garage or Shop.

A Combination Bench and Pipe Vise on a swivel base. Made extra strong. Jaws are made of tempered tool steel. Screw and lever handle are cold rolled steel. Front pipe jaw is reversible. Screw works inside of slide. Finished in dull black, with polished slide, jaws and handle.

42R5976 1/4—Size 0. Takes pipe $\frac{1}{8}$ to $1\frac{1}{2}$ in. Shipping wt., about 20 pounds. Price.....\$7.00
Size 1. Takes pipe $\frac{1}{8}$ to 2 inches. Shipping weight, about 55 pounds. Price.....\$9.60
Size 2. Takes pipe $\frac{1}{8}$ to 3 inches. Shipping weight, about 73 pounds. Price.....\$13.00
For Other Vises See Page 1090.



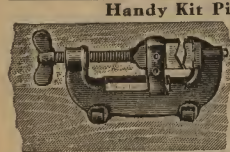
Quick Action Pipe Vise. Give handle half a turn, lift up latch, raise top of vise and you can take pipe out sideways. Holds pipe, rods and bars. Made of malleable iron with steel jaws, guaranteed not to break.

42R5969 1/4—No. 0. Holds pipe from $\frac{1}{8}$ to $1\frac{1}{2}$ inches. Shipping wt., about 8 pounds. Price.....\$2.10

42R5970 1/4—No. 1. Holds pipe from $\frac{1}{8}$ to $2\frac{1}{2}$ inches. Shipping weight, about 15 pounds. Price.....\$3.25

42R5972 1/4—No. 2. Holds pipe from $\frac{1}{8}$ to 3 inches. Shipping weight, about 20 pounds. Price.....\$4.90

42R5971—Steel Jaws for above.
Jaws for No. 0 vise. Price, per set.....\$1.15
Jaws for No. 1 vise. Price, per set.....\$1.16
Jaws for No. 2 vise. Price, per set.....\$1.60



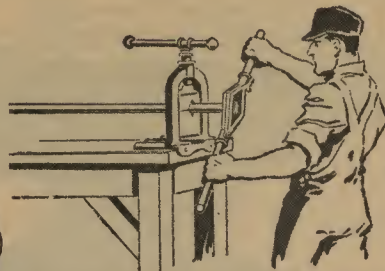
Handy Kit Pipe Vise.

Carry it in your tool bag. Can be attached by lag screws. Jaws grip pipe without crushing or stripping it. The greater the strain on the pipe the harder the jaws grip it. Takes pipe from $\frac{1}{8}$ to 2 inches. Shipping weight, about 4 lbs. Price.....\$2.80

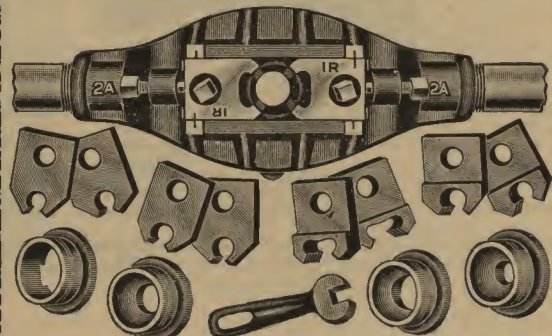
Monarch Drill Ratchet. Drills Holes in Iron, Steel, Marble or Wood.
42R6076—Made of steel throughout. By attaching 42R6077 or 42R6078 Sleeve, round shank drill may be used.
10-in. Shpg. wt., $3\frac{1}{2}$ lbs. \$4.25
12-in. Shpg. wt., 5 lbs. 4.75
15-in. Shpg. wt., 7 lbs. 5.50

Twist Drills for Above Ratchet.
42R6088—Tool Steel Twist Drills with shank to fit Monarch Ratchet. Av. shpg. wt., abt. 10 oz.
Diam. In. Price In. Price
 $\frac{1}{8}$ \$1.00 $\frac{1}{4}$ \$1.30
 $\frac{3}{8}$ 1.20 $\frac{5}{8}$ 1.35
 $\frac{1}{2}$ 1.20 $\frac{3}{4}$ 1.40
 $\frac{7}{8}$ 1.25 1.55

For Other Twist Drills See Page 1087.



You Can Adjust and Resharp the Dies in These Stocks.



Hercules Adjustable Stocks are fitted with dies that can be adjusted to cut a deep or shallow thread. This is very convenient when threading pipe for old fittings. The dies are quick and easy cutters and can be sharpened on grindstone or emery wheel when worn. Each die has a double taper, forming a lead which causes them to start on the pipe without filing, even when there is a swell or burr.

42R6014—Hercules No. 2 Adjustable Stock and Dies. Threads $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch, right hand. Complete as illustrated. Shipping weight, about 17 pounds. Price, per set.....\$7.20

Extra Pipe Dies, each size, two pieces. Price.....1.20

42R6015—Hercules No. 2 1/2 Adjustable Stock and Dies with four dies, cutting $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ and $1\frac{1}{4}$ inches, right hand. Furnished with handles, dies and guides, complete. Shpg. wt., about 23 lbs. Price, per set.....\$8.40

42R6020—Hercules No. 2 3/4 Stock and Dies, furnished with dies to thread from $\frac{1}{8}$ to $1\frac{1}{4}$ -inch pipe. Price, per set.....\$12.00

Extra Pipe Dies for either of above numbers, each size, two pieces. Price.....2.10

Extra Guides. Price, each size......40

42R6016 1/4—Hercules No. 3 Adjustable Stock and Dies. Complete with three size dies, cutting $\frac{1}{4}$, $\frac{1}{2}$ and 2 inches, right hand. Shipping weight, about 29 pounds. Price, per set.....\$10.80

Extra Pipe Dies, each size, two pieces. Price.....2.70

Extra Guides. Price, each size......45

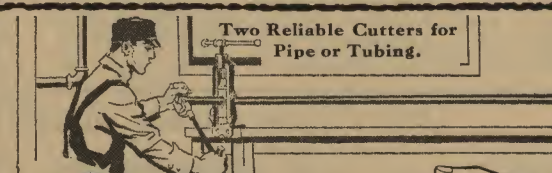
42R6017 1/4—Hercules No. 6 Adjustable Stock and Dies. Shpg. wt., about 80 lbs. Price, complete with 2 1/2 and 3-in. dies. \$27.00

42R6018 1/4—Hercules No. 7 Adjustable Stock and Dies. Shpg. wt., about 100 lbs. Price, complete with 3 1/2 and 4-in. dies. \$33.00

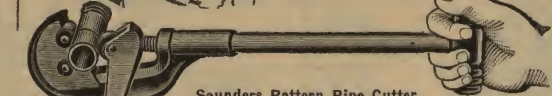
NOTICE—All parts of above will interchange with standard makes of Armstrong Stocks and Dies.

Prices quoted on application for dies or guides for 42R6017 and 42R6018 1/4 Stock and Dies. When writing be sure to state size wanted.

For Blacksmiths' Die Stocks See Page 1084.



Two Reliable Cutters for Pipe or Tubing.

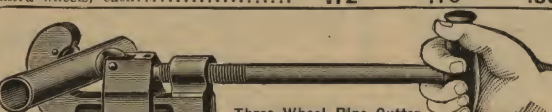


Saunders Pattern Pipe Cutter.

Wheel cuts groove in pipe and

the two rollers roll edges down smooth. Made of malleable iron with tool steel cutting wheel.

42R5996
Cuts pipe from.....No. 1 $\frac{3}{8}$ to 1 in. No. 2 1 to 2 in. No. 3 2 to 3 in.
Shipping weight, about, pounds.....14 12 10
Price.....\$1.50 \$2.25 \$5.50
Extra wheels, each......12 .16 .30



Three-Wheel Pipe Cutter.

Cuts three times as fast as

a single wheel cutter. Will cut off a pipe or tube by turning only one-third of the way around. Made of malleable iron with three tool steel cutting wheels.

42R5987
Cuts pipe from.....No. 1 $\frac{3}{8}$ to 1 in. No. 2 $\frac{1}{2}$ to 2 in. No. 3 1 1/2 to 3 in.
Shipping wt., about, pounds.....5 6 10
Price.....\$1.35 \$2.50 \$4.20
Extra wheels, each......10 .13 .28

Ratchet Drill Sleeve.

Fits 42R6076 Ratchet. This sleeve permits the use of round shank drills. Shpg. wts., about 8 and 12 oz.

42R6077—For $\frac{1}{2}$ -in. round shank drills. \$1.25

42R6078—For $\frac{3}{8}$ -in. round shank drills. 1.30

A Quick and Easy Pipe Threader.

An easy to use, solid die, pipe threading stock for those desiring to do their own pipe fitting, as well as for the plumber or steamfitter. The various dies and guides can be quickly interchanged, they are in one piece and need no adjusting. Stock are made of malleable iron, cutters in dies are tempered tool steel. Guaranteed to cut a clear sharp thread. Nos. 2 and 3 furnished with lead screw, as shown in illustration. Leader screws furnished with other sizes.

42R6000 1/4—No. 0. Threads pipe $\frac{3}{8}$ and $\frac{1}{2}$ inch. Dimensions of dies, 2 1/2 x 1/2. Shipping weight, about 6 1/2 pounds.

Price, complete with dies and guides.....\$4.80

Extra dies, each.....1.20

Extra guides, each......36

42R6001 1/4—No. 1. Threads pipe $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch. Dimensions of dies, 2 1/2 x 1 1/2.

Shipping weight, about 13 1/4 pounds.

Price, complete with dies and guides.....\$6.30

Extra dies, each.....1.20

Extra guides, each......36

42R6002 1/4—No. 1 1/2. Threads pipe $\frac{3}{4}$ and 1 1/2 inches. Dimensions of dies, 3 x 3 1/2.

Shipping weight, about 14 pounds.

Price, complete with dies and guides.....\$5.75

Extra dies, each.....1.20

Extra guides, each......36

Threads
42R6003 1/4 42R6006 1/4 42R6009 1/4

Price, in.....1 1/4 1 1/2 1 3/4 1 1/2 1 1/2 1 1/2

Dimensions of dies. 3 x 3 1/2 3 x 3 1/2 3 x 3 1/2 3 x 3 1/2 3 x 3 1/2 3 x 3 1/2

Shpg. wt., abt., lbs. 13 20 23 20 23 23

Price, complete with dies and guides.....\$5.75 \$10.85 \$8.75

Extra dies, each.....1.20 1.20 1.20

Extra guides, each......36 .36 .36

42R6005 1/4—Size 3. Threads pipe 2 1/2, 3 inches. Size of dies, 5 x 1 1/4 inches. Shipping weight, about 53 pounds. Price.....\$21.00

Extra dies, ea., \$5.40; extra guides, ea. 1.20

For taps see 42R6060 on this page. They are included at above prices.

For Threading Pump Rod.



42R6095—Pump Rod Stock with two dies for threading $\frac{1}{2}$ and 7/16-inch pump rod, to 42R5620 and 42R5621 rod couplings, shown page 1245. Dies are adjustable, made of tempered tool steel, set in malleable iron stock. Shipping weight, about 2 pounds. Price.....\$3.10

Cuts the Burr Out of Pipe or Tubing Fits Common Bit Brace.



42R6063—Tempered Tool Steel Burring Reamers. For reaming pipe from $\frac{1}{8}$ inch to 1 inch, also countersinking. Shipping weight, about 8 ounces. Price......80

42R6064—For $\frac{1}{2}$ to $1\frac{1}{4}$ -inch pipe. Shipping weight, about 8 ounces. Price.....\$1.20

42R6065—For 1 to 2-inch pipe. Shipping wt., about 3 pounds. Price.....\$2.30

Price.....\$1.20

Shipping wt., about 3 pounds. Price.....\$2.30

Price.....\$2.30

Shipping wt., about 3 pounds. Price.....\$2.30

Price.....\$2.30

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Shipping wt., about 3 pounds. Price.....\$2.30

Price.....\$2.30

Blacksmiths', Plumbers' and Pipefitters' Tools

Genuine Trimo Pipe Wrench.

A very satisfactory, widely used pipe wrench. Grips the pipe but does not crush it, readily releasing its hold. Made of steel with hardened jaws. Movable jaw and nut are made with round top and bottom thread. Guaranteed not to strip or burr. Parts can be renewed at a small expense.

42R6147

Length, Open	Takes Pipe, In.	Shpg. Wt., Lt. Abt.	Price
6 in.	1/2 to 3/4	1 lb.	\$0.90
8 in.	3/4 to 1	1 1/2 lbs.	1.00
10 in.	1 to 1 1/4	2 1/4 lbs.	1.12
12 in.	1 1/4 to 1 3/4	3 1/2 lbs.	1.58
14 in.	1 3/4 to 2	6 lbs.	2.25
16 in.	2 to 2 1/4	10 lbs.	3.25
18 in.	2 1/4 to 3	15 lbs.	6.00
20 in.	3 to 3 1/2	20 lbs.	9.00

Automatic Pipe Wrench.

42R6150—Grips pipe without adjustment. Made of drop forged steel with polished head.

Length, In.	Takes Pipe, In.	Shpg. Wt., Lt. Abt.	Price
10	1/2 to 3/4	1 lb.	1.00
14	3/4 to 1	1 1/2 lbs.	1.12
18	1 to 1 1/4	2 1/4 lbs.	1.58
22	1 1/4 to 1 3/4	3 1/2 lbs.	2.25
26	1 3/4 to 2	6 lbs.	3.25
30	2 to 2 1/4	10 lbs.	6.00
34	2 1/4 to 3	15 lbs.	9.00

Tongs for Turning Pipe.

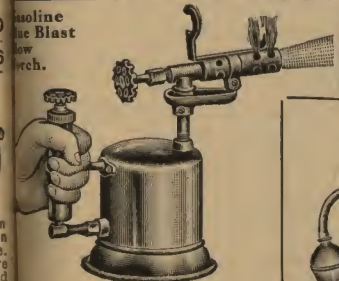
Takes Pipe From, In.	Shpg. Wt., Lt. Abt.	Price
1/2 to 3/4	3 1/4 lbs.	\$0.90
3/4 to 1	4 1/2 lbs.	1.15
1 to 1 1/4	5 lbs.	1.30
1 1/4 to 1 3/4	13 lbs.	1.80
1 3/4 to 2	21 lbs.	4.05

Chainrip Pipe Vise.

The Chainrip Pipe Vise is one of the simplest but most efficient tools of its kind because there are no complicated parts to get out of order. The bolt lugs in the base permit the vise to be moved around the shop. Turn the nut on the eyebolt clamp suspension on the support chain relaxes, unhook the chain and the vise is loose. The Chainrip Vise is very easy to use. Slip the gripping chain around the pipe, hook the chain in the toothed jaw. Hook the chain in the socket, push the lever and the vise is securely locked. To loosen the pipe, pull the lever and unhook the chain. Simple and extraordinarily speedy.

42R6169

Pipe In.	Weight	Price
1/2 in. to 2 1/2 in.	14 lbs.	\$6.65

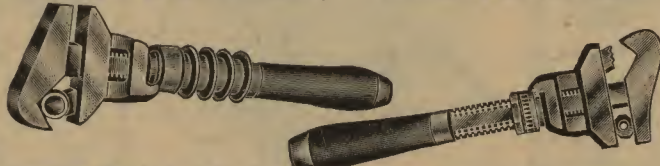


With soldering copper attachment. Quality brass.

42R1770—Capacity, 1 pint. Shipping weight, about 4 1/2 lbs. Price, \$4.25

42R1771—Capacity, 1 quart. Shipping weight, about 5 1/2 pounds. Price, \$4.65

A Pipe and Monkey Wrench All in One



Genuine Bemis & Call's Nut and Pipe Wrench.

With wrought bar and case-hardened jaws and adjusting nut. Parts easily replaced: furnished with long adjusting nut.

42R6164—10-inch, takes pipe 1/2 to 1 inch in diameter. Shipping wt., about 2 1/2 pounds. Price, \$1.90

12-inch, takes pipe 3/4 to 1 1/4 inches in diameter. Shipping weight, about 4 lbs. Price, \$2.15

15-inch, takes pipe 1 to 1 3/4 inches in diameter. Shipping weight, about 5 1/2 lbs. Price, \$3.05

Genuine Bemis & Call's Short Nut Wrench.

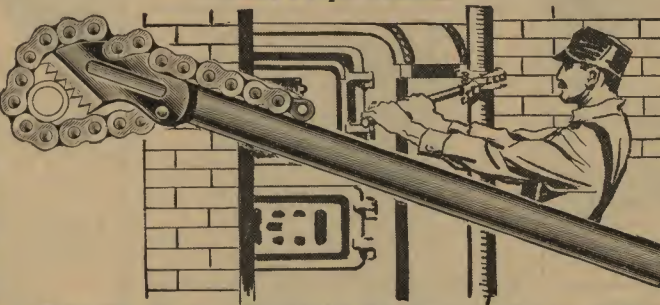
42R6165—Same as 42R6164 at left, except furnished with short adjusting nut instead of long.

Length, 10 inches. Shipping wt., about 2 1/2 pounds. Price, \$1.75

Length, 12 inches. Shipping wt., about 3 1/2 pounds. Price, \$1.95

Length, 15 inches. Shipping wt., about 5 pounds. Price, \$2.75

They Hold Tight and Withstand the Strain. Brock's Pipe Wrench.



Forged from bar steel, with removable jaw. Teeth are milled and tempered. Chain made of special steel. Guaranteed against defects.

42R6167 1/4

Size 1. Will hold pipe 1/2 to 2 inches; length, 20 inches. Shipping weight, about 5 pounds. Price, \$2.65

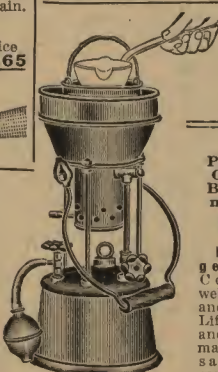
Size 2. Will hold pipe 1/2 to 3 inches; length, 27 inches. Shipping weight, about 9 pounds. Price, \$3.85

Size 3. Will hold pipe 1/2 to 6 inches; length, 37 inches. Shipping weight, about 24 pounds. Price, \$5.40

Gasoline Brazing Torch.

With soldering copper attachment. Heavily constructed. Neat, compact design. No pump. Pressure created by gasoline vaporizing. Gives 1,800 degrees heat under proper conditions. Suitable for all purposes for which an intense heat is required. Can be held in any position. Copper plated steel container with oxyacetylene welded joints; adapted for rough usage. Capacity, 1/4 pint. Shipping weight, about 4 1/2 pounds.

42R1772—Price \$5.90

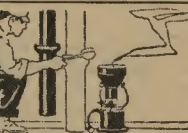


Plumbers' Gasoline Blast Furnace and Camp Stove.

Easy to operate. Compact, well made and reliable. Lift off top and furnace makes a very satisfactory camp stove for cooking, frying, etc. Produces a hot blue flame. Melts lead or solder quickly. Made of steel. Reservoir has welded seams. Shipping weight, about 12 pounds.

42R1768 1/4—Price \$4.95

Melting Pot not included in above price.



Combination Gasoline Furnace.



Heats soldering irons and melts lead or solder at the same time. Compact. Reliable. Has new type burner, designed for outdoor or indoor use, with swivel joint so it can be turned to horizontal or vertical position. Hood can be removed by loosening one thumb screw and tank with burner used separately. Reservoir holds 3 quarts of gasoline and is made of pressed steel with welded seam and connection. Fitted with brass filler plug and improved brass pump with needle stop valve. Hood has cover, soldering iron rest and wind shield. Height, 12 inches; diameter, 8 1/4 inches. Shipping weight, about 11 pounds.

42R1767 1/4—Price \$8.75



Melting Pot. To fit 42R1767 1/4 and 42R1768 1/4 Furnaces. Shipping weight, about 4 pounds.

42R1769—Price \$2.00

Length, Open	Takes Pipe, In.	Shpg. Wt., Lt. Abt.	Price
6 in.	1/2 to 3/4	1 lb.	\$0.90
8 in.	3/4 to 1	1 1/2 lbs.	1.00
10 in.	1 to 1 1/4	2 1/4 lbs.	1.12
12 in.	1 1/4 to 1 3/4	3 1/2 lbs.	1.58
14 in.	1 3/4 to 2	6 lbs.	2.25
16 in.	2 to 2 1/4	10 lbs.	3.25
18 in.	2 1/4 to 3	15 lbs.	6.00
20 in.	3 to 3 1/2	20 lbs.	9.00

The Tool for Home, Shop or Garage.



Holds material of any shape, square, round or oval. Length, 7 inches. Drop forged steel. Shpg. wt., 1 lb.

42R6138—Price \$0.80

Handy Adjustable Wrenches.

42R6146

For gripping pipe, bolts, rods, etc. Well made with jaws and nut of steel.

Length, 6 inches. Takes pipe 1/2 to 3/4 inch. Shipping weight, about 8 ounces. Price, \$0.72

Length, 8 inches. Takes pipe 3/4 to 1 inch. Shpg. wt., about 1 lb. Price, \$0.88

Length, 10 inches. Takes pipe 1 to 1 1/4 inch. Shpg. wt., about 1 1/2 lbs. Price, \$1.12

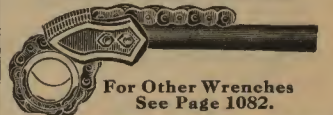
Length, 12 inches. Takes pipe 1 1/4 to 1 3/4 inch. Shpg. wt., about 2 lbs. Price, \$1.42



Same as above, except has jaws at both ends. One for bolts or pipe, the other for squares or hexagons. Takes pipe 1/2 to 1 1/2 inch. Shipping weight, about 8 ounces.

42R6144—Price \$0.94

Hercules Chain Wrench.



For Other Wrenches See Page 1082.

Has a double set of jaws with teeth slanted so as to allow it to take an immediate hold on pipe, and also force jaws against handle instead of spreading them. All parts interchangeable. Made of wrought steel.

Size	1	2	3
Length, inches	20	27	45
Will hold pipe, in.	1/2 to 1 1/2	1/2 to 3	1/2 to 6
Shpg. wt., abt., lbs.	5	14	24
Price	\$2.95	\$4.10	\$7.45

Gasoline



Flat Blow Torch. With soldering copper attachment. Takes but little space in your automobile tool box or plumbers' tool kit. Made flat, for use in narrow or close places. Made of brass, with steel conductor tube and needle valve. Has double check pump and bracket to prevent tipping. Size, about 7x3x2 inches. Capacity, 1 pint. Shipping weight, about 6 lbs.

42R1776—Price \$6.60

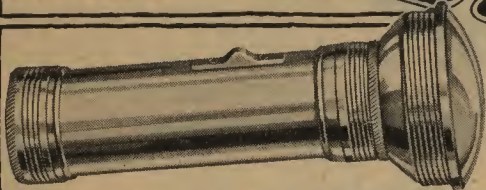
Plumbers' Melting or Pouring Ladle.

Size across bowl, inches	3	4	5
Shipping weight, about	12 oz.	1 lb.	1 1/4 lbs.
Price	45c	52c	60c

3-inch ladle fits Melting Pot 42R1768.



EVEREADY DAYLOS

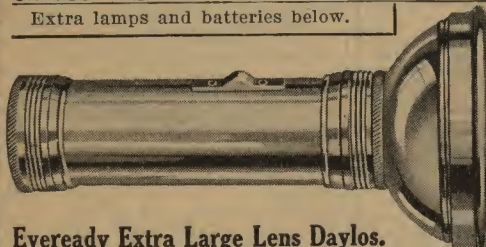


Eveready Large Lens Nickel Plated Daylos.

Large reflector and lens, 2½ inches in diameter, increases candle power and spreads light. Non-short circuit case. Shipping weight, 2 pounds and 2¼ pounds, respectively.

Catalog No.	Diam-eter, Inches	Lgh., In.	Bat-tery	Price	Extra Battery No.	Extra Lamp No.
6R8964	1½	6¾	2-cell	\$2.20	6R9090	6R8807
6R8968	1½	9	3-cell	2.60	6R9005	6R8805

Extra lamps and batteries below.

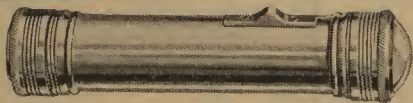


Eveready Extra Large Lens Daylos.

The Daylo shown above has brass, non-short circuit case, nickel plated. Extra large reflector and lens, 3 inches in diameter, throws light much farther than ordinary size. Shipping weights, 1½ pounds and 2½ pounds, respectively.

Catalog No.	Diam-eter, Inches	Lgh., In.	Bat-tery	Price	Extra Battery No.	Extra Lamp No.
6R8954	1½	6¾	2-cell	\$3.12	6R9090	6R8807
6R8955	1½	9	3-cell	3.60	6R9005	6R8805

Extra lamps and batteries below.



Eveready Daylos.

Above light excellent around motor cars, motor boats, wherever hands are likely to be oily or wet. Brass non-short circuit case, nickel plated.

Catalog No.	Diam-eter, Inches	Length, Inches	Shpg. Wt., Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8958	1½	5¼	7	\$1.40	6R9091	6R8806
6R8960	1½	6¾	1¾	1.60	6R9090	6R8807
6R8962	1½	9	1¾	2.00	6R9005	6R8805

Extra lamps and batteries below.

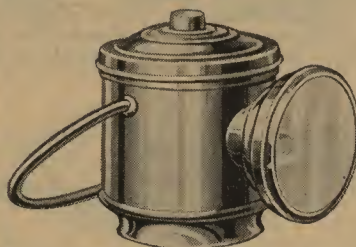
Batteries

You will find listed below genuine EVEREADY TUNGSTEN Batteries, a high grade, widely advertised line. We suggest the purchase of an extra battery. You will appreciate having one available when the first one has served its usefulness. Satisfactory service guaranteed.

Flat.	
6R9000—Tungsten Double Cell Battery, ¾ inch thick, 1½ inches wide, 1½ inches high. Shipping wt., 2 oz.	Price.....32c
6R9003—Tungsten Triple Cell Battery, ¾ inch thick, 2½ inches wide, 2½ inches high. Shipping weight, 6 ounces.	Price.....36c
6R9050—Tungsten Double Cell Battery, ¾ inch thick, 1¾ inches wide, 2¼ inches high. Shipping weight, 3 ounces.	Price.....32c
6R9051—Tungsten Triple Cell Battery, ¾ inch thick, 2 inches wide, 2¼ inches high. Shpg. wt., 4 oz.	Price.....36c



6R9031—Tungsten Five-Cell Battery, 1¾ inches thick, 3 inches high, 6¾ inches wide. Shipping weight, 1½ pounds. Price.....88c	
6R9034—Tungsten Triple Cell Battery, 1¾ inches thick, 4 inches wide, 3 inches high. Shipping weight, 1 pound. Price.....52c	
Tubular.	
6R9006—Tungsten Double Cell Tubular Battery. Fits Pen Light and Pistol Light 57N682 and 57N681. Diameter, ¾ inch; length, 4 inches. Shpg. wt., 3 oz. Price.....28c	
6R9091—Tungsten Double Cell Tubular Battery. Diameter, 1 inch; length, 3¾ inches. Shipping weight, 4 ounces. Price.....31c	
6R9090—Double Cell Tubular. Diam., 1¾ in.; length, 4¾ in. Shpg. wt., 8 oz. Price.....32c	
6R9005—Three-Cell Tubular. Diam., 1¾ in.; length, 7 in. Shpg. wt., 12 oz. Price.....48c	
6R9015—Five-Cell Tubular Battery. Diam., 1¾ in.; length, 11¼ in. Shpg. wt., 1¼ lbs. Price.....80c	



Tungsten Search Lantern.

6R8975—Throws light over large area. Good reflector, and with its five-cell battery makes an ideal lantern for watchman, yacht, motor boat and household use. Nickel plated, 5 inches high. Switch conveniently located on top. Lens, 3 inches in diameter. Large ball, convenient to carry on arm. Shipping weight, 4 pounds.

Price, complete with five-cell Tungsten battery.....\$6.00

JR9010—Extra Five-Cell Tungsten Battery for search lantern. Diameter, 3¾ inches; height, 3 inches. Shipping weight, 1½ pounds.

Price, each.....88c
For extra lamps see 6R8816 listed below.

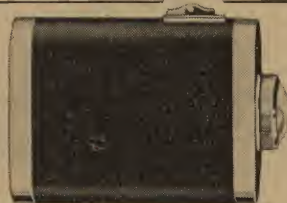


Eveready Vest Pocket Daylos.

Very convenient for vest pocket or ladies' pocket-book. Polished nickel plated case with hinged bottom. Three sizes. Shipping weights, 5, 6 and 7 ounces, respectively.

Catalog No.	Size, Inches	Price	Extra Battery No.	Extra Lamp No.
6R8900	¾ x 1¼ x 2½	\$0.88	6R9000	6R8800
6R8902	¾ x 1½ x 3	.88	6R9050	6R8801
6R8903	¾ x 2¼ x 3	1.12	6R9051	6R8802

Extra lamps and batteries below.



Eveready Coat Pocket Daylo.

6R8938—Metal case, covered with black cloth. Nickel plated trimmings. Size, 1x2½x3½ inches. Triple cell battery. Shipping weight, 12 ounces.

Price, with Tungsten battery.....\$1.20
For extra batteries see 6R9003, and for extra lamps see 6R8804 below.

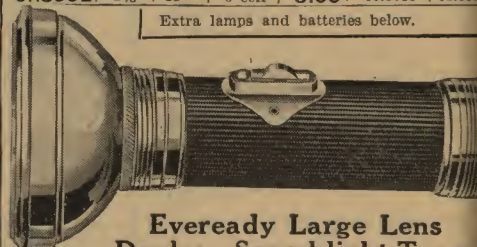


Eveready Large Lens Daylos

Black fiber non-short circuiting case. The 2½-inch lens and reflector improve light. Diameter of case, 1½ inches. Trimmings are nickel plated. Throws light over a wider area than a straight tubular type. Switch constructed to give flashes of continuous light.

Catalog No.	Shpg. Wt., Lbs.	Lgh., In.	Bat-tery	Price	Extra Battery No.	Extra Lamp No.
6R8950	1½	6¾	2-cell	\$1.68	6R9090	6R8807
6R8953	1½	9	3-cell	2.00	6R9005	6R8805
6R8952	2½	13	5-cell	3.00	6R9015	6R8816

Extra lamps and batteries below.



Eveready Large Lens Daylos—Searchlight Type

Attractive, nicely finished Daylo. Has black fiber non-short circuiting case, nickel plated trimmings. Switch has button, flashes and slide for continuous light. Large beveled lens, 3 inches in diameter. Two lengths. Shipping weights, about 5 pounds and 5 pounds, respectively.

Catalog No.	Diam-eter, Inches	Lgh., Inches	Bat-tery	Price	Extra Battery No.	Extra Lamp No.
6R8956	1½	8½	3-cell	\$3.40	6R9005	6R8805
6R8957	1½	13	5-cell	4.20	6R9015	6R8816

Extra lamps and batteries below.



Eveready Fiber Case Daylos.

Black fiber non-short circuiting case, nickel plated trimmings. All 1½ inches in diameter, except 6R8940, which is 1¾ inches in diameter.

Catalog No.	Shpg. Wt., Lbs.	Lgh., Inches	Battery	Price	Extra Battery No.	Extra Lamp No.
6R8940	7	5¼	2-cell	\$1.20	6R9091	6R8806
6R8943	1¾	6¾	2-cell	1.40	6R9090	6R8807
6R8946	1¾	9	3-cell	1.68	6R9005	6R8805
6R8948	2½	13	5-cell	2.60	6R9015	6R8816

Extra lamps and batteries below.

Lamps



We offer genuine MAZDA Flash Light Lamps, which are high grade. Mazda lamps give a good light. The actual candle power of the lamps, as stated below, is magnified by the reflector and lens of the flash lights. It is advisable to have an extra lamp available.

6R8800—Mazda Lamp, 2.5 volts, ¾-candle power.	6R8805—Mazda Lamp, 3.8 volts, 1½-candle power.
6R8801—Mazda Lamp, 2.5 volts, 1-candle power.	6R8806—Mazda Lamp, 2.7 volts, 1-candle power.
6R8802—Mazda Lamp, 3.8 volts, 1½-candle power.	6R8807—Mazda Lamp, 2.9 volts, 1-candle power.
6R8803—Mazda Lamp, 2.7 volts, 1-candle power.	6R8809—Mazda Lamp, 4 volts, 1½-candle power.
6R8804—Mazda Lamp, 3.8 volts, 1½-candle power.	6R8816—Mazda Lamp, 6.2 volts, 2-candle power.

Average shipping weight, any above lamps, 2 ounces.
Price, each, 20c; 10 for.....\$1.50
Be sure to give catalog number of lamp wanted.



SHURLITE

ELECTRIC FLASHLIGHTS



Large Lens SHURLITE Flash Light.

Miners' Type Nickel Plated Tubular Light.
Same as 6R8924 to the right, but made of brass; reflector lens measures 2½ inches in diameter and spreads the light over a large area. Diameter of case, 1½ inches.

Catalog No.	Lgth. In.	Bat-tery	Shpg. Wt., Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8931	6¾	2-cell	2	\$1.87	6R9062	6R8807
6R8932	9	3-cell	2½	2.21	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.



Fiber Case SHURLITE Flash Light.

Black fiber case with nickel plated trimmings. Popular style. Three sizes. Diameter of cases, 1½, 1½ and 1½ inches.

Catalog No.	Lgth. In.	Bat-tery	Shpg. Wt., Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8920	5¼	2-cell	1	\$1.00	6R9063	6R8806
6R8921	6¾	2-cell	1½	1.19	6R9062	6R8807
6R8922	9	3-cell	1¾	1.43	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.



Large Lens Flash Light.

Black metal case, non-short circuit flash light, nickel plated trimmings. Diameter, 1½ inches; length over all, 6 inches. Lens measures 2 inches in diameter. Shipping weight, about 1½ pounds.

6R8967—Price, complete with double cell Shur-lite battery.....**89c**
For extra batteries, see 6R9062 below. Extra lamps, see 6R8807, page 1246.



Straight Tubular.

6R8942—Black metal case; non-short circuit; nickel plated trimmings. Diameter, 1½ inches; 6 inches long. Shipping weight, about 1 pound.

Price, complete with Shur-lite battery.....**76c**
For extra batteries and lamps, see 6R9062 and 6R8803 below.

Shur-lite Flash Light Batteries.

Our Own Brand of High Grade Batteries.

6R9060—Shur-lite Triple Cell Battery. Diameter, 1¾ inches; length, 7 inches. Fits the same flash lights as 6R9005, page 1246. Shipping weight, 12 ounces. Price.....**38c**

6R9062—Shur-lite Double Cell Tubular Battery. Diameter, 1¾ inches; length, 4¾ inches. Fits the same flash lights as 6R9060, page 1246. Shipping weight, 8 ounces. Price.....**26c**

6R9063—Shur-lite Double Cell Tubular Battery. Diameter, 1 inch; length, 3¾ inches. Fits the same flash lights as 6R9061, page 1246. Shipping weight, 4 ounces. Price....**25c**

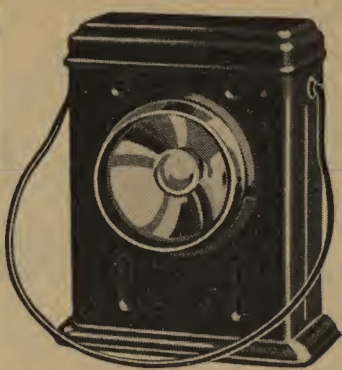
Mazda Lamps.

6R8810—Mazda Lamp, 1½ volts, ¾-candle power.

6R8815—Mazda Lamp, 2.8 volts, 1-candle power.

6R8903—Mazda Lamp, 2.7 volts, 1-candle power. Shipping weight, 2 ounces. Price, each.....**\$0.20**

10 for.....**1.50**
Be sure to give number of lamp wanted.



Get This Popular Double Cell Lantern.

Strong steel case. Has both bail and grip handles. Latter fold flush with body in back. Heavy lens gives bullseye effect. Reflector is nicely finished. Switch located conveniently in back. Black finish with nickel plated trimmings, 7½ inches high, 5½ inches wide and 4 inches thick. Requires two standard 2½x6-inch dry cells.

6R8993—Popular Double Cell Lantern, complete without batteries. Shipping weight, 3 pounds. Price.....**\$1.60**

6R8994—Popular Double Cell Lantern, complete with two dry cells. Shipping weight, 7 pounds. Price.....**\$2.27**

For extra batteries, see 6R8635 on page 1251. For extra lamps, see 6R8815 below.



Get This Electric Vehicle Light.

When driving at night see the road ahead and warn those behind. Outfit consists of steel battery case and high grade lamp, having 3¼-inch reflector, 1¾-inch deep red lens in rear. Black finish, nickel plated trimmings. Switch controls light. Brackets for mounting. Case, 7x5x2¼ inches. Will hold two No. 6 dry cells. Ten feet of wire furnished.

6R8999—Vehicle Light. Complete, without batteries. Shipping weight, 2½ pounds. Price.....**\$2.48**

6R8978—Vehicle Light. Complete, with two dry batteries. Shipping weight, 9 pounds. Price.....**\$3.15**

For extra batteries, see 6R8635 on page 1251. For extra lamps, see 6R8815 below.



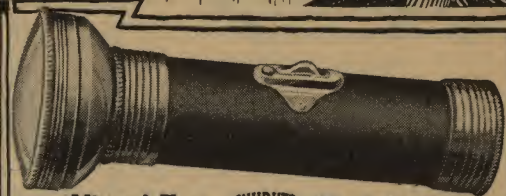
The "Spot Light."

This standard cell flash light is made with a reflector by means of which it throws a narrow, bright shaft of light. Black metal case with handle and bail. Diameter of case, 2¾ inches. Height, over all, 8 inches. Diameter of lens, 2½ inches.

6R8988—Spot Light. Complete without battery. Shipping weight, 3 pounds. Price.....**95c**

6R8989—Spot Light. Complete with battery. Shpg. wt., 5 lbs. Price.....**\$1.28**

For extra lamp, see 6R8810 at the left. For extra battery, see 6R8635 page 1251.

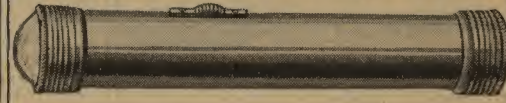


Miners' Type SHURLITE Flash Light.

Black fiber case with nickel plated trimmings. Large reflector and good lens, measuring 2½ inches in diameter. Gives excellent light and spreads it over a large area. Two lengths. Diameter of case, 1½ inches.

Catalog No.	Lgth. In.	Bat-tery	Shpg. Wt., Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8924	6¾	2-cell	1¾	\$1.43	6R9062	6R8807
6R8925	9	3-cell	1¾	1.70	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.

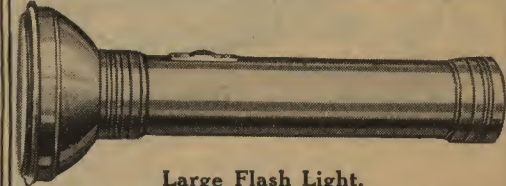


Nickel Plated SHURLITE Flash Light.

Non-Short Circuit Tubular Light, made with brass case, nickel plated and polished. A handsome flash light, much used around motor cars, motor boats and shops where the hands of the user are likely to be oily or wet. Three sizes. Diameter of cases, 1¾, 1½ and 1½ inches.

Catalog No.	Lgth. In.	Bat-tery	Shpg. Wt., Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8927	5¼	2-cell	¾	\$1.19	6R9063	6R8806
6R8928	6¾	2-cell	1¾	1.36	6R9062	6R8807
6R8929	9	3-cell	1¾	1.70	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.



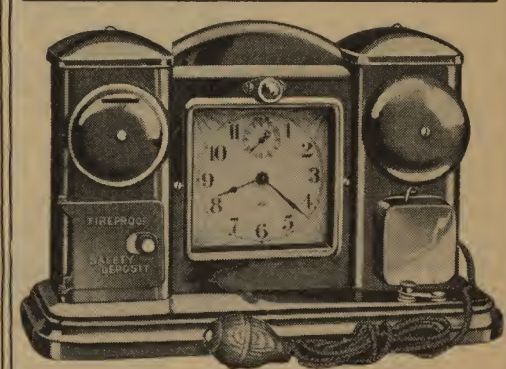
Large Flash Light.

6R8934—A large flash light giving a splendid light. Nickel plated polished case, with lens 3 inches in diameter. Case, 1½ inches in diameter by 9 inches long. Triple cell battery. Shipping weight, about 3 pounds.

Price, complete with Shur-lite battery.....**\$3.06**

6R8935—Same as above, but made with black fiber case and nickel plated trimmings.

Price, complete with Shur-lite battery.....**\$2.89**
For extra batteries, see 6R9060 below. Extra lamps, see 6R8805 on page 1246.

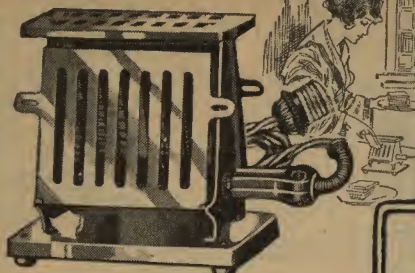


Electric Alarm Clock.

6R8628—Compartment to right contains battery. Left side is savings bank with combination lock. Push button for light. Nickel plated case, 12½ inches wide by 7¼ inches high. Shipping weight, 11 pounds.

Price, complete with battery.....**\$6.85**

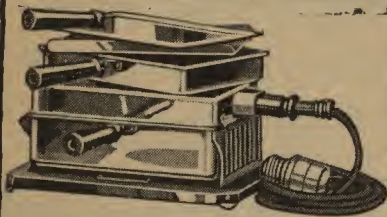
Extra batteries and lamps, see 6R8635 on page 1251 and 6R8810 at left.



"Flip Flop" Toaster.

Bread can be turned in toaster without removing. Finished in polished nickel plate. Top makes excellent warming rack. Height, 6 1/2 inches. Operates on electric current of 105 to 115 volts (usual city current). Six feet of cord and plug included. Shipping weight, about 4 lbs.

6R8026—"Flip Flop" Toaster. \$6.45
Price.....

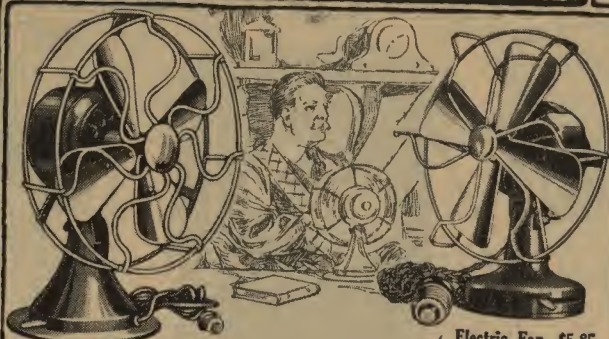


Combination Grill.

Attractive combination griddle frying pan and broiler, made of steel, nickel plated. Cool ebony finished handles. Depth of frying pan, 1 1/2 inches; of broiler, 2 inches; of griddle, 7/8 inch. Heating surface, 7 1/2 x 10 inches. Base of black finished steel, 6 1/2 x 10 inches. Six feet of flexible cord and plug. Operates on any electric light circuit with usual city current of 105 to 115 volts. Shipping weight, about 6 pounds.

6R8031—Combination Grill. \$7.50
Price.....

Home Helps Operated by Electricity



Large Electric Fans.

Quiet running; ideal for home or office. Can either be set upright or screwed to wall, etc., like a bracket. We list two styles, straight and oscillating. The oscillating automatically moves from side to side, throwing breeze to various parts of room. Both styles operate on alternating current of 105 to 115 volts (usual city current).

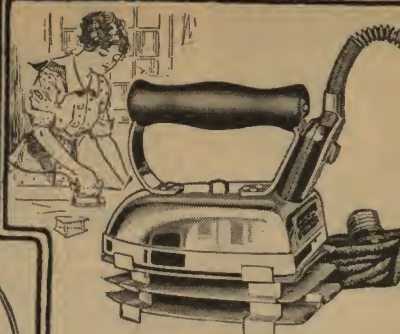
	Blades	Diam. In.	Type	Shpg. Wt.	Price
6R8854 1/4	4	9	Straight	12 lbs.	\$13.15
6R8855 1/4	4	9	Oscillating	25 lbs.	18.95
6R8856 1/4	4	12	Straight	28 lbs.	22.00
6R8858 1/4	6	12	Oscillating	34 lbs.	27.60
6R8859 1/4	4	16	Straight	40 lbs.	25.95
6R8860 1/4	4	16	Oscillating	50 lbs.	31.65
6R8861 1/4	6	16	Oscillating	52 lbs.	32.40

Electric Fan, \$5.85.

Breeze can be thrown at nearly any angle desired. Fan can be hung on wall. Operates on usual city current of 105 to 115 volts. About 8 in. high, 7 in. wide, fan about 6 in. in diameter. 7 feet of cord and plug. Shpg. wt., about 3 1/2 pounds.

6R8870
Complete with two-speed switch..... **\$5.85**

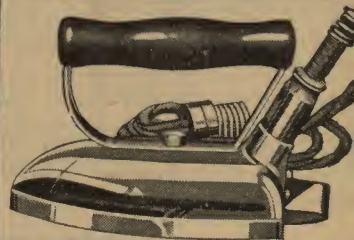
6R8869
Same construction and general appearance as 6R8870 except fan is about 9 in. in diameter. Shpg. wt., abt. 6 lbs. **\$8.50**
Price.....



Electric Iron.

Attaches to any lamp socket. Weight, pounds. Six feet of cord and plug. Nickel finished wood handle. Well made, finished stand. Operates on usual city current of 105 to 115 volts. Shipping weight, about 10 lbs.

6R8037—Electric Iron. \$5.45
Price.....



"It Stands Anywhere" Electric Iron.
When not in use tilt iron back on built-in stand. Do not be bothered with a separate wood handle. Operates on ordinary city current of 105 to 115 volts. Furnished with 6 feet of cord and plug. Wt., 6 lbs.; shipping wt., 7 lbs.
6R8042—"It Stands Anywhere" Electric Iron. \$5.50
6R8039—Iron, same as above, except equipped with plug for 32-volt current. Price..... \$5.95

Make Sewing Easy With an Electric Sewing Machine Motor.



Motor is attached to your sewing machine without marring machine in any way, and when not in use can be removed quickly. Attach plug to nearest lamp socket. Furnished with 9 feet 6 inches of cord. Speed easily regulated. Recommended for use in general household or domestic sewing. This motor will not run on dry batteries. Shipping weight, about 10 pounds.

6R9655 1/4—Electric Sewing Machine Motor, complete, for 105 to 115-volt alternating (ordinary city) current. Price..... \$12.50
6R9659 1/4—Electric Sewing Machine Motor, complete, for 30 to 32-volt private lighting plant current. Price..... \$12.75

Energex Electric Suction Cleaner \$30.00

105-115 volts. Patent Office Registered in U. S.

If your home is lighted by electricity, you can operate one of our electric cleaners from any lamp socket. With one of these light, easy rolling machines you can keep your rugs and carpets looking practically as clean as when they came home new and have very little dust. Our Energex Electric Suction (Vacuum) Cleaner is a high grade machine. Body of steel, yet weighs only 12 pounds, easy to handle and move. Nozzle, 12 inches wide, able to handle and move. Nozzle, 12 inches wide, adjustable to thick or thin carpets. Body only 6 1/2 inches high, easily gets under chairs and tables. Machine holds itself upright when not in use. Over all, 52 1/2 inches. About 19 feet of electric cord furnished. Steel body, nickel plated and black finish. Shipping weight, about 15 pounds.

6R9810 1/4—Energex Suction Cleaner for usual city alternating current of 105 to 115 volts. Price, complete..... \$30.00

6R9811 1/4—Cleaner for 30 to 32-volt private lighting plant current. Price..... \$31.00

Attachments for Energex Cleaner.

Clean furniture, draperies, mattresses, radiators, corners, etc., much more thoroughly than beater, brush or dust cloth. Full directions furnished. 7 feet 9 inches reinforced rubber hose; 3 feet 3 inches tube; steel radiator or blower attachment; two attachments for special connections; attachment to receive hose; brush attachment; wall or upholstery tool. Shipping wt., about 7 lbs.
6R9815 1/4—Price, complete..... \$8.00



Beats the Best Hot Water Bottle.

This electric heating pad remains hot until you turn off current. Heat may be controlled low to high to suit. Outside covering of soft material. Size, 10x12 inches. Furnished with 9 feet of cord and plug. Operates on ordinary city current of 105 to 115 volts. Shipping weight, about 3 pounds.

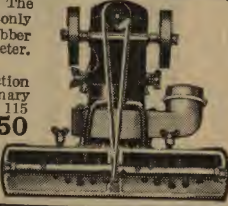
6R8057—Comfort Heating Pad. Price..... \$5.00

Combination Suction Cleaner and Sweeper

This machine goes the vacuum cleaner one better, the motor driven brush sweeping up tight clinging lint and brushing up heavy dirt which might otherwise cling even under strong suction. Nozzle, with its 1 1/2 x 1 1/2-inch opening, rests directly on the rug and carries a protector guard to prevent marring the furniture. The brush, as shown below, is driven by a belt from the motor. (Illustration shows belt exposed, but it is completely covered by a cap.) A small lever throws brush gears out of mesh without stopping motor, allowing use of machine as a suction cleaner only. The body is black finished steel. The whole machine is light, weighing only 11 pounds, and is equipped with rubber tired wheels, 3 1/4 inches in diameter. Shipping weight, about 15 lbs.

6R9807 1/4—Combination Suction and Brush Cleaner, for use on ordinary city alternating current of 105 to 115 volts. Price (shipped from factory, all charges prepaid)..... \$49.50

6R9806 1/4—Cleaner, same as above, but for 32-volt current. Price, shipped prepaid..... \$50.00



Attachments for Cleaner 6R9807 1/4.



Will enable you to thoroughly clean furniture, bedding, clothes, walls and wall hangings. For blowing as well as sucking out dirt. Full directions furnished.

6R9816 1/4
Set of eight attachments, shown at left.

Shipping weight, about 8 pounds.

Price..... \$8.00

Bathroom and Kitchen Trimmings

42R1190—1-Inch Crystal Glass Towel Bar. Weights, 3½, 4 and 4½ lbs. Length, 18 in., \$1.55; length, 24 in., \$1.75; length, 30 inches.....\$1.85

42R1187—¾-Inch Towel Bar. Shpg. wt., about 3 lbs. Length, 18 inches, 75c; length, 24 in., 82c; length, 30 in., 90c

42R1180—¼-Inch Towel Bar. Shipping weights, 2, 2½ and 2¾ pounds. Length, 15 inches, 42c; 18 inches, 45c; 24 inches.....52c

42R1224—¼-Inch Glass Shelf. Rounded edges. About 5x24 inches. Shipping weight, about 5½ pounds. Price.....\$1.30

42R1227—Opal Glass Shelf, ¾ inch thick, white enameled brackets. Weights, 5½ and 7 pounds. 5x18 inches.....\$1.35 5x24 inches.....1.50

42R1230 ¼-Inch Glass Corner Shelf. Rounded edges. About 9x8 inches. Shpg. wt., abt. 3 lbs. Price.....\$1.05

42R1225—¼-Inch Glass Shelf, rounded edges, and bar. About 5x24 in. Shpg. wt., about 5½ pounds. Price.....\$2.35

42R1183—Crystal Glass Towel Bar, ¾ inch thick. Nickel plated brackets. Shipping weight, about 3 pounds. Length, 18 in., 85c; length, 24 in.....95c

42R1188—Curved Towel Bar, ¾ inch thick. Shipping wt., about 2½ lbs. Length, 18 inches. Price.....56c Length, 24 inches. Price.....63c

42R1189—¾-Inch Towel Bar. Shipping weights, about 2½, 2¾ and 3½ pounds. Length, 18 in., 65c; length, 24 in., 70c; length, 30 inches.....80c

42R1192—Double Arm Towel Bar. Length, over all, about 12 inches. Shipping weight, about ½ pound. Price.....70c

42R868 Rubber Plug. Wt., about 3 ounces. 1-inch for wash basin, 14c; 1½-inch for bathtub, 15c

42R1155 Tumbler Holder. Shipping weight, 8 oz. Price, without tumbler.....42c Opal Tumbler. Fits any holder on page. Shpg. wt., 8 oz. 17c

42R1160—Tooth Brush and Tumbler Holder. Shpg. wt., about 9 oz. Price, without tumbler, 55c Tumbler 42R1169 at left.

42R1168 Wall Soap and Tumbler Holder with removable opal glass soap dish and tumbler. Shipping wt., about 2½ lbs. Price, complete, \$1.35

42R1165—Bathroom Mirror. Bevel plate glass, mounted in nickel plated brass frame. Size, over all, about 12x20 inches. Shipping wt., about 10 lbs. Price.....\$5.60 For full line of mirrors see page 852.

42R1166 Combination Tumbler and Soap Holder. Made of brass, heavily nickel plated. Shpg. wt., abt. 12 oz. Price, without tumbler.....85c Tumbler 42R1169 at left. Price.....1.75

42R1170 Wall Soap, Tumbler and Tooth Brush Holder with removable glass soap dish and tumbler. Shpg. wt., abt. 2½ lbs. Price.....1.75

42R1153 Tumbler Holder with Jewel hook. Nickel plated. Shipping wt., about 8 oz. Price, without tumbler, 47c See Tumbler 42R1169 at left. Shpg. wt., each, abt. 2 oz.

42R1142 Wall Soap Cup, with removable opal glass dish. Size, abt. 3½x5½ in. Shpg. wt., abt. 2 lbs. Price.....70c

42R1135—Comb and Brush Tray. Nickel plated. Size, about 4x10 in. Shpg. weight, about 12 ounces. Price.....92c

42R1140—Soap Dish for rim of bathtub. Size, about 4x5 inches. Shpg. wt., abt. 12 oz. Price.....55c

42R1130—Wall Soap Cup. Nickel plated. Size, about 2¾x4¼ inches. Shipping wt., about 4 oz. Price.....21c

42R1141—Wall Soap Cup, with wash cloth hook. Nickel plated. Shpg. wt., abt. 8 oz. Price.....44c

42R1233—Toilet Paper Holder. Made of brass, heavily nickel plated. Shipping weight, about 9 ounces. Price (paper not included)....45c

42R1222 Golden oak finish. 65c **42R1221** White enameled. 80c

42R1228—Toilet Paper Holder. With black enameled wood roller. Shpg. wt., abt. 6 oz. Paper not included. Price.....30c

42R1193 Nickel Plated Tooth Brush Holder, for six brushes. Shipping wt., about 3 oz. Price.....21c



42R1195—Mat: placed in bathtub to prevent slipping. Also very comfortable to feet and body. Good rubber with surface roughened. Not perforated. Size, about 12x30 inches. Shipping wt., about 2½ lbs. Price.....\$1.25



Water Closet Brush. Bristles on heavy wire. Shipping wt., about 1 pound.

42R1241 First grade palmetto fibers.....16c

42R1240 Selected white fibers.....18c

42R1217—Spray with Nickel Spray Head. Five feet white rubber hose and faucet connection. Shpg. weight, about 1 lb. Price.....72c

42R1218—Extra quality red rubber Spray with patent bulb to fit bath cock, otherwise as above. Shpg. wt., abt. 1 lb. Price. 90c

42R1253—Bath Spray Brush. Can be used without a bathroom. Just fill bucket with water heated to any desired temperature. Then press bulb and water will flow through spray brush until pall is empty. It can also be attached direct to bathtub fixture. Rubber spray brush, 6 feet of rubber hose, complete with siphon ready for use. Shipping weight, 3½ pounds. Price.....\$2.90



42R1249—Marvel Shower Bath. Easily attached to wall by two brackets. Hose slips over any bath cock. Complete with nickel plated rain head, 24-inch curtain ring, white duck curtain, rubber connecting tube, curtain chain and hook, waterproof cap for protecting hair, and four screws to fasten to wall. Shipping weight, about 12 lbs. Price.....\$9.50

42R1220—Combination Massage Brush and Spray. 3-inch brush, rubber teeth, perforated, producing shower effect. Five feet rubber tubing, aluminum faucet attachment. Shipping weight, 2 pounds. Price.....\$1.75

42R104 Radiator Brush with long handle. For dusting between sections of radiators. Shipping weight, about 1 pound. Price....21c

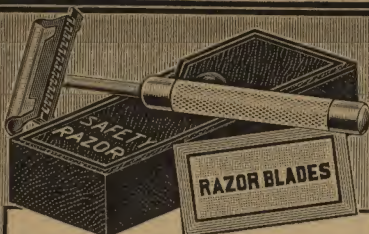
42R1196—White Rubber Drain Board Mat. Both sides corrugated. Shipping wt., about 4 lbs. Price 15½x15½ inches, \$1.70 16x18 inches, 1.55 16x22 inches, 1.85 18x18 inches, 1.75 18x22 inches, 2.00

Bathtub Seat, made of oak in golden oak finish, or birch, white enameled. Steel rods nickel plated and rubber covered. Shipping weight, about 7½ pounds.



Refer to Showers 42R1249, 42R1217, 42R1218 and 42R1220 on this page. When showers are used, it is necessary to have hose nozzle, as illustrated. Tell us if your faucet has a hose nozzle.

Safety Razors

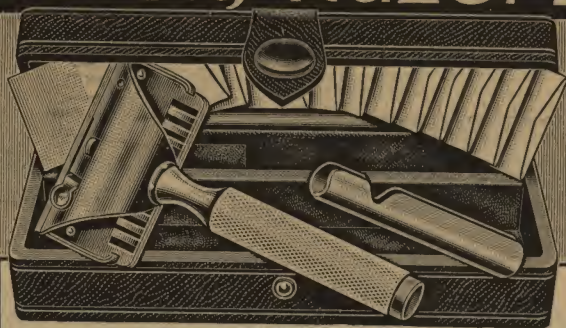


The Crosby Safety Razor.

Solid nickel silver frame. Six blades made from good grade cutlery steel. An excellent cutting, light weight razor. Shipping weight, 6 ounces.

6R6350—Complete with six blades. Price.....82c

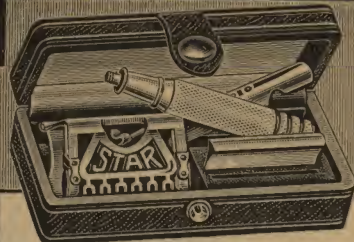
6R6351—Extra Blades. Shipping weight, 2 ounces.
Per package of 5 blades.....24c



Improved Stoll Safety Razor.

Complete with twelve steel blades. It has a one-piece rigid nickel plated, sanitary frame, constructed to permit instantaneous removal of blades. Nickel plated knurled handle, also extra stropping handle. Packed complete in velvet lined case. A well made razor that we highly recommend. Shipping weight, 6 ounces.

6R6354—Price, complete.....96c



The Star Safety Razor.

The genuine Star Safety Razor, made by Kampfe Bros., New York. Improved frame, nickel plated, full concave blade. Shipping weight, 9 ounces.

6R6357—With one blade.....\$1.75

6R6358—With two blades.....2.50

6R6359—Extra Blades for above razor. Shipping weight, 3 oz. Price, each.....78c

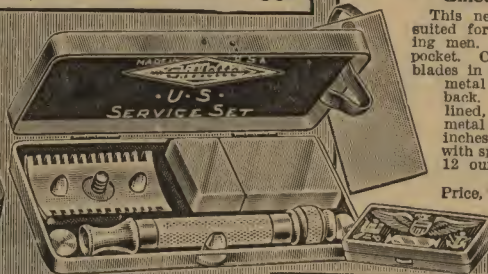
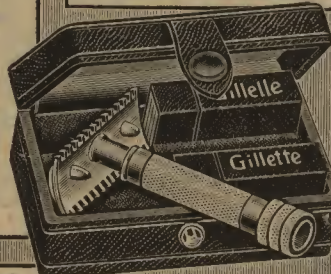
Gillette Safety Razor.

The well known Gillette Safety Razor. It has a three-piece frame with twelve double edge steel blades, all packed in a handsome velvet lined leather case. Shipping weight, 8 ounces.

6R6365—Price, complete.....\$3.65

Gillette Blades. Shipping weight, 1 ounce.

6R6366—Price, 6 for.....42c
We do not exchange old blades.



Gillette U. S. Service Set.

This new Gillette set is especially suited for soldiers, sailors or traveling men. Will fit in vest or breast pocket. Consists of razor, twelve blades in heavy metal container, and metal mirror with velvet lined back. Put up in a snug, velvet lined, nickel plated embossed metal box, 4 inches long, 1 7/8 inches wide and 5/8 inch thick with spring snap. Shipping weight, 12 ounces.

6R6367 Price, complete.....\$3.65

For extra blades see 6R6366.

Gillette Combination Set.

Gillette razor, Rubberset brush, stick of Gillette shaving soap in holder, and 12 blades. Packed in handsome velvet-lined, seal grained leather case. Shipping weight, 1 pound.

6R6368
Price, complete...\$5.98

Stoll Steel Safety Razor Blades.

Blades are of a tough, smooth cutting and responsive steel. Ground carefully and will fit the Stoll, Superior, Ever Ready, Gem, Gem Junior, Star, Yankee, Clark and many others. Shipping weight, 4 ounces.

6R6356—Price, per dozen blades.....54c

Steel Safety Razor Blades.

Tested Steel Blades, guaranteed to shave with satisfaction. Shipping weight, 2 ounces.

6R6373—Style No. 5. Fits Enders, Christy, Hoe and other razors. Price, 5 blades.....21c

6R6375—Style No. 4. Fits the Auto-Strop Razor. Price, 5 blades.....23c

6R6374—Style No. 8. Fits Mark Cross, Federal, Klaas, Clark's Jewel and O. V. B. razors. 5 blades.22c

6R6372—Style No. 10. For Keen Kutter razors. Price, 5 blades.....24c

The New Two-Edge Automatic Stropper.

(For Gillette Blades Only.)

Frame of nickel plated steel, with patented attachment which automatically turns the blade and places it in the right position for sharpening. Correct diagonal stroke. Very simple and strong. We especially recommend this stropper. Shipping wt., 12 ounces.

6R6370—Price,\$1.79

As above, but for Stoll, Ever Ready, Gem, Star and other blades, except Durham Duplex.

6R6371—Price,\$1.78

Star Safety Razor Outfit.

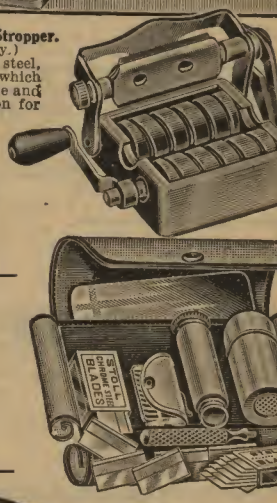
One Kampfe Bros. Star safety razor, two concave ground blades and one Star diagonal horsehide razor strop; also one Kampfe Bros. high grade automatic stropping machine. Velveteen lined, imitation morocco, hinged cover case. Shipping weight, 1 1/2 pounds.

6R6376—Price\$4.90

Safety Razor Outfit.

Nickel plated safety razor, twelve blades, metal folding brush, stick of Williams' shaving soap in nickel plated box and unbreakable steel mirror. Put up in khaki cover. Shipping weight, 10 ounces.

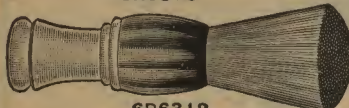
6R6380—Price\$2.10



6R6300

Wilbert Barbers' High Quality Set-In-Rubber Brush. Large size, selected white bristles. Rock maple handle, 2 1/4 in. long. Bristles are 2 1/4 in. long and vulcanized in rubber cement. Full length, about 6 inches. Shipping weight, 6 ounces.

6R6300—Each.....86c



6R6312

Fancy Handle Lily White Bristle Brush, with white bone handle; ferrule of horn. Length of bristles, 2 1/2 inches. Length of entire brush, about 5 inches. Diameter of ferrule, 3/8 inch. Shipping wt., 3 oz.

6R6312—Price46c



6R6332

Genuine Rubberset Shaving Brush. Good quality lily white bristles, 2 inches long; celluloid ferrule, with rosewood handle. Entire length, about 4 1/2 inches. Shipping weight, 5 ounces.

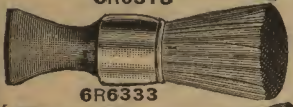
6R6332—Price78c



6R6318

Genuine Rubberset Brush. White bristles, 2 inches long, vulcanized in rubber cement, black hard celluloid ferrule, white celluloid handle. Entire length, about 5 inches. Shipping weight, 5 ounces.

6R6318—Price66c



6R6333

Star Set-In-Rubber Brush. White bristles, 1 1/2 inches; nickel plated ferrule; ebony finish handle. Entire length, about 4 1/2 in. Shpg. wt., 4 oz.

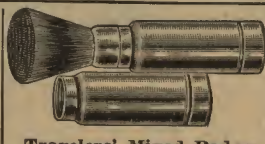
6R6333—Price24c



6R6306

Lily White Bristle Set-In-Rubber Brush, with white celluloid ferrule and ebony finish handle. Bristles, 2 1/4 inches long. Entire length, about 5 inches. Shipping weight, 5 ounces.

6R6306
Price.63c



6R6322

Travelers' Mixed Badger Hair Folding Brush. Can be folded and the bristles placed in the hollow nickel plated handle. Length of brush, complete, about 4 1/2 inches. Length when folded, 2 1/2 inches. Shipping weight, 2 ounces.

6R6322
Price54c



6R6334
Price84c

A First Quality, Good Size Brush. Mixed badger hair, set in rubber. Hair, 2 1/4 inches. White handle; black celluloid cup ferrule. Entire length, about 5 1/2 inches. Shipping weight, 6 ounces.

6R6320

Fine Grade White Bristle Set-In-Rubber Brush. First quality bristles, 2 1/4 inches long, guaranteed not to shed. Celluloid ferrule, celluloid handle. Entire length of brush, about 5 inches. Shipping weight, 5 ounces.

6R6310—Price79c

A Fair Grade Brush. Metal ferrule, nickel plated. Mixed bristles, 2 inches long. Diameter at ferrule, 3/8 inch. Entire length, about 4 1/2 inches. Shipping weight, 5 ounces.

6R6301—Price25c

Mixed Badger Brush. Set in rubber cement with white celluloid handle; black ferrule. Length bristles, 2 1/4 inches; entire length, about 5 in. Shipping weight, 5 ounces.

6R6302—Price52c

Midget Mixed Badger Brush. Sufficiently large to work properly; has not the bulk some object to. Horn ferrule, cocobolo handle; length over all, about 3 1/2 inches; diameter ferrule, 3/8 inch. Shpg. wt., 3 oz.

6R6314—Price58c

Mixed Badger Brush. Hair, 1 1/2 inches long. Tapered celluloid ferrule, fancy white bone handle. Length, about 5 1/2 inches. Shipping wt., 5 oz.

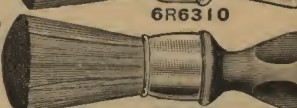
6R6313—Price85c



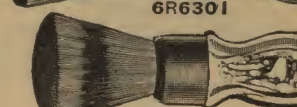
6R6320



6R6310



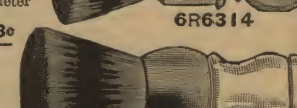
6R6301



6R6302



6R6314



6R6313

Quality

Razors

Barbers' "New Comfort" Razor.

Blade—Razor steel,
5/8-inch square point.
Tang—Plain.
Grinding—Full hollow.

Handle—
Flat white
celluloid.
Recom-
mended for
barbers' use.
Shipping
wt., 5 oz.

6R6414
Price...\$1.90

Barbers' Concave Razor.

Blade—English steel, 5/8-
inch square point.
Tang—Plain.
Grinding—Full hollow.
Handle—Celluloid, with nickel silver tips.
Shipping weight, 5 ounces.

6R6422—Price...\$2.10
6R6426—As above, but with black rub-
ber handle, with nickel silver tips...\$2.45

Wilbert "Tortoise" Razor.

Blade—High grade steel,
5/8-inch round point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Celluloid, closely resem-
bling tortoise shell.
A good razor for private use.
Shipping weight, 5 ounces.

6R6425—Price...\$1.15

Wilbert "High Art" Razor.

Blade—High
grade steel,
5/8-inch square point.
Tang—Plain.
Grinding—One-half hollow.
Handle—White celluloid.
Name lettered on handle to order.
Expect eight to ten days' de-
lay. State name you want and
write it plainly to avoid
mistakes. Shipped
direct from fac-
tory, postpaid.

6R6400 1/2
Price...\$2.15
6R6401 1/2
Same as above,
with 3/4-inch
square point
blade...\$2.19

Fair Grade Razor.

Blade—A fair grade
of steel.
Tang—Plain.
Grinding—One-half hollow.
Handle—Black rubber.
Shipping weight, 5 ounces.

6R6445—Price...65c

Wilbert "Acme" Razor.

Blade—Good grade
steel, 5/8-in. square point.
Tang—Plain.
Grinding—One-half hollow.
Handle—Black rubber.
A satisfactory low priced razor for private use.
Shipping weight, 5 ounces.

6R6436—Price...\$1.18

The "Famous" Barbers' Razor.

Blade—English steel,
5/8-inch square point.
Tang—Plain.
Grinding—Full hollow.
Handle—Flat black rubber.
A satisfactory low priced razor. Shpg. wt., 5 oz.

6R6431—Price...\$1.18

Wilbert "Elk" Razor.

Blade—English steel,
5/8-inch square point.
Tang—Imitation horn inlaid.
Grinding—Full hollow.
Handle—Celluloid, closely resembling horn.
Etched in gilt as illustrated. Shpg. wt., 5 oz.

6R6420—Price...\$2.35

"Chrome" Brand Razor.

Blade—Razor steel, 5/8-
inch round point.
Tang—Plain.
Grinding—Three-quarters
hollow.
Handle—Black rubber.
A good razor for private use. Shpg. wt., 5 oz.

6R6443—Price...\$1.90

Columbian Razor.

Blade—English steel,
5/8-inch hollow point.
Tang—Gunmetal finish.
Grinding—Three-quarters hollow.
Handle—Flat white celluloid.
Etched in gilt, as illustrated. Shpg. wt., 5 oz.

6R6418—Price...\$1.85

Felt Oil Pad Razor.

Blade—High grade steel,
5/8-inch square point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Flat black rubber.
Inside of handle is lined with felt pads
saturated with an oil which protects the sensi-
tive edge of the blade from rust. Container of oil
with razor. Shipping weight, 5 ounces.

6R6403—Price...\$2.55

Army Special Razor.

Blade—English
steel, 3/4-in. round point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Oval shaped black rubber.
A strongly made, serviceable razor. Recommended
for heavy and wiry beards. Shipping weight, 6 oz.

6R6415—Price...\$1.67

Reliable

Wilbert Reliable Razor.

Blade—Good steel, 5/8-
inch hollow point.
Tang—Plain.
Grinding—One half hollow.
Handle—Celluloid, closely resembling tortoise shell.
Shipping weight, 5 ounces.

6R6421—Price...89c

The "Invincible" Razor.

Blade—English steel,
5/8-inch square point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Flat white celluloid.
A nicely proportioned, well balanced razor.
Shipping weight, 5 ounces.

6R6437—Price...\$1.70

Elite

"Elite" Razor.

Blade—English steel, 5/8-
inch square point.
Tang—Fancy gimped.
Grinding—Three-quarters
hollow.
Handle—White celluloid with artistic gilt decora-
tion. Shipping weight, 5 ounces.

6R6434—Price...\$2.20

"Golden Shaver" Razor.

Blade—First quality steel,
1/2-inch needle point.
Tang—Fancy gilt.
Grinding—Full hollow.
Handle—Transparent ruby color celluloid.
For barbers' use. Shipping weight, 5 ounces.

6R6439—Price...\$1.97

6R6440—Same as above, with 5/8-inch square
point blade; for private use. Price...\$1.98

Special Hollow Ground Razor.

Blade—English steel, 5/8-
inch square point.
Tang—Plain.
Grinding—Full hollow.
Handle—Flat black rubber, stamped in
gilt letters as illustrated.
Shipping weight, 5 ounces.

6R6430—Price...\$1.95

"Midget" Extra Light Weight Razor.

Blade—Razor steel, 5/8-inch
square point.
Tang—Plain, very narrow.
Grinding—Full hollow.
Handle—Black rubber.
Weights less than 1
ounce. For barbers' or pri-
vate use. Shpg. wt., 4 oz.

6R6435
Price...\$1.45

Sears, Roebuck and Co. 1099A
Chicago 983

RAZOR STROPS AND HONES



Barbers'

Double Swing Razor Strop. Genuine shell horsehide, reverse side barbers' canvas. Lgth., 26 inches; width, 2 1/4 in. Shipping weight, 9 ounces.
6R6502
Price \$1.35

Double Leather Swing Razor Strop. Width, 2 in. Length of stropping surface, 12 1/2 in. Both strops leather—one for sharpening, one for finishing. Shipping wt., 7 oz.
6R6500
Price...69c

Double Swing Razor Strop. Horsehide oil finished leather on one side; otherwise prepared cotton hose. Width, 2 in.; entire length, 23 in. Shipping weight, 6 ounces.
6R6505
Price....55c

Imitation Russia Leather for sharpening; reverse side genuine shell horsehide for finishing; 26 inches long, 2 1/4 in. wide, gold plated swivel. Shpg. wt., 9 oz.
6R6510
Price, \$1.25

Barbers' Gold Medal Combination Horsehide and Linen Double Swing Strop. Leather of fine selected shell horsehide, carefully prepared, broken in, ready for use. Black stitched handles with gilt embossing; gold plated swivel. Length, 23 in.; width, 2 1/4 in. Shipping wt., 9 oz.
6R6508
Price\$1.58

A Double Swing Strop, all leather; one side corrugated for sharpening, the other genuine horsehide for finishing. Nickel plated swivel and shaped handles. An excellent strop for general use. Width, 2 1/4 in.; entire length, 23 inches. Shipping weight, 7 ounces.
6R6507
Price.....70c



Professional Barbers' Heavy Imitation Russia Leather Strop. 'Broke in' ready for use. Length, 24 in.; width, 2 1/4 in. Shipping wt., 9 oz.
6R6525
Price \$1.35

Barbers' Single Swing Strop. Horsehide oil finished prepared leather. Fashioned handle and eyelet. Width, 2 1/4 inches; entire length, 24 in. Shpg. wt., 4 oz.
6R6520
Price...50c

Fine Select-ed Shell Horsehide Strop. Single swing. One side sharpening, the other finishing. Width, 2 1/4 inches; entire length, 24 inches. Shipping weight, 4 ounces.
6R6527
Price...79c

The Mercury Four-Sided Combination Strop. One leather sharpening side, two canvas sharpening sides and one shell horsehide, oil tanned, for finishing. Length, 25 inches; width, 2 1/4 inches. Shpg. wt., 10 ounces.
6R6515
Price...\$1.29

National Automatic Stropping Machine and Strop. No experience required to strop any razor or blade. Place razor in the holder, strap each end of the strop and as the strop is pulled over the rollers, it is automatically drawn across the razor. This is a strop that will give satisfaction and last for a long time. The machine is 3 3/4 inches long, 1 1/4 inches wide and 2 3/4 inches high, nickel plated. Strop is first quality grain leather. Shipping weight, 10 ounces.
6R6514—Price.....96c

Diagonal Stroke Stropping Machine and Strop. Quick Edge Diagonal Stroke Stropping Machine and Strop. Puts the correct edge on any old style razor or safety razor blade. This machine stropps a razor with a uniformly diagonal stropping stroke, which is the correct method. The blade moves up and down in the holder, and the strop laterally across the razor edge, thus giving a keen, smooth shaving edge. The machine is nickel plated. The strop is of first quality grain leather. Treated to quickly put razor or blade in good shaving condition. Shipping weight, 1 pound.
6R6524—Price, complete...\$1.89

Wilbert High Quality Razor Strop.

The sharpening side of the strop is made of black selected leather, treated by a process which gives sharpening qualities. There is no grit or emery in this strop to injure the razor.

The finishing strop is made of fine shell horsehide. Oil tanned, soft and flexible; requires no breaking in. Sewed leather handles with gilt embossed lettering and large gold plated swivel and ring clutch. A serviceable and practical strop. Length, 23 inches; width, 2 1/4 inches. Shipping weight, 1 pound 1 ounce.
6R6535—Wilbert High Quality Razor Strop. Price.....\$1.79

Four-Side Cushion Strop. This is a very good strop of this old favorite style. Selected leather stock with enameled wood handle. Full length, 14 inches. Shipping weight, 14 oz.
6R6517—Price.....59c

Double Leather Swing Strop. Genuine horsehide, one side treated with a side shell horsehide for finishing. Fashioned handles. Nickel plated swivel. Length, 24 inches. Width, 2 1/4 inches. Recommended for private use. Shipping weight, 10 ounces.
6R6512—Price \$1.28

Blue Bell Double Leather Swing Horsehide Razor Strop. Prepared with one side for sharpening and the other, which is buffed, for finishing. Sewed leather padded handle. Nickel plated swivel. Length, 25 inches; width, 2 1/4 inches. Shipping weight, 10 ounces.
6R6528—Price\$1.25

Our Black Beauty Combination Double Swing Razor Strop. 25 inches long, 2 1/4 inches wide. Heavy red and black fine grain leather, the red leather for sharpening, the black leather of selected, oiled fine grain stock for finishing. Shipping weight, 14 ounces.
6R6533—Price\$1.15

Nox-All Razor Hone. A splendid, smooth, quick cutting composition hone. A few strokes will give a keen edge. Can be used dry, but we recommend the use of oil or water to get the best results. Size of hone, 5 1/2 x 2 inches. Shipping weight, 14 ounces.
6R6556
Price65c

Perforated Razor Hone. Especially adapted for private use. The holes in the hone assist in preventing a wire edge on razor. Size, 3 1/2 x 2 inches. Shipping weight, 5 ounces.
6R6553
Price48c

First Quality Water Hone. Barbers' Gem. A hone that is extensively used by barbers and has given general satisfaction. Shipping weight, 1 pound 9 ounces.
6R6559
Price60c

Genuine Belgian Hone. A very good Belgian razor hone at a low price. Shipping weight, 10 ounces.
6R6550
Price35c

Salm Rock Belgian Hone. The small, fine veins running through the face of the hone are not defects, but natural stone selected from choice bed-rock. Shipping wt., 1 lb.
6R6558
Price95c



Cavalry Pattern Razor Strop. One side is treated with a sharpening preparation. The reverse side shell horsehide for finishing. Nickel plated swivel and handle firmly riveted. The sharpening side produces a keen edge quickly. Popular at camps. Length, 19 inches; width, 2 3/4 inches. Shipping weight, 6 ounces.
6R6523—Price\$1.00



The Raven Hone. A jet black hone; contains no emery grit, and has just the right degree of hardness to place an edge on a razor which will insure a velvet shave. Each hone is packed in a neat hinged cover box. Size of hone, 5 1/2 x 2 inches. Shipping weight, 10 ounces.
6R6560—Price75c

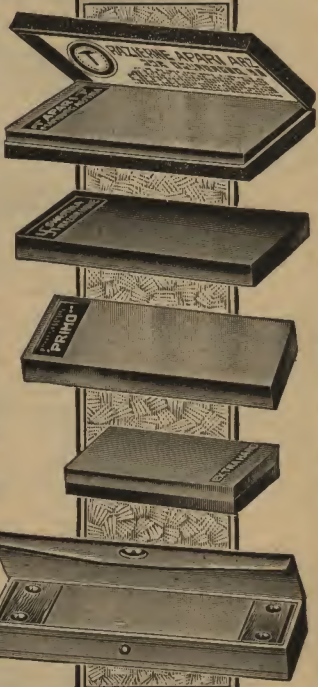
Apart Razor Hone. It may be used with oil, water or lather. Size, 5 1/2 x 2 inches. Shipping wt., 12 oz.
6R6568
Price45c

Swastika Razor Hone. For barbers or private use. Can be used with either water, oil or lather. Length, 5 1/2 inches; width, 2 inches. Shipping weight, 12 oz.
6R6561
Price47c

Primo Razor Hone. Made on scientific principles from a fine grit. Will quickly produce a fine velvet edge. Can be used with water or oil. Size, 5 1/2 x 2 inches. Shipping wt., 12 oz.
6R6569
Price55c

A Fine Belgian Razor Hone. Selected especially for the best barbers' trade. Size, 3 1/2 x 1 1/4 inches. Shipping weight, 12 ounces.
6R6572
Price82c

Comfort Combination Strop and Hone. A first quality hone, size, 6 x 2 inches, set in hardwood frame. On the reverse side is securely fastened an extra heavy selected quality horsehide strop, size 8 1/2 x 2 inches. Recommended for private use. Put up in neat case. Shipping weight, 1 1/4 pounds.
6R6571—Price\$1.22



Barbers' Steel Shears.
Barbers' Gunmetal Finish Solid Steel Shears. These shears are forged from solid steel and are ground and set by shear experts. They possess a clean, sharp edge, and are guaranteed to withstand hard service. Length over all, 7½ inches; length of cut, 3½ inches. Shipping weight, 5 ounces.

6R6935—Price ..\$1.49

Barbers' "Favorite" Razor.

Blade—Razor steel, ⅝-inch needle point.
Tang—Plain and narrow.
Grinding—Full hollow.
Handle—Black rubber.
A satisfactory razor that will please barbers. Shipping weight, 5 ounces.

6R6448—Price...\$1.45

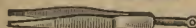
Barbers' Special Talcum Powder.

This talcum is especially prepared for barbers' use. It is nicely perfumed and put up in 1-pound cans. A powder that barbers will like. Shipping weight, 1¼ pounds.

6R6633

Price, 1-pound can...20c

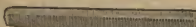
Barbers' Tweezers.



Tweezers with blackhead remover at small end. Nickel plated. Shipping weight, 2 ounces.

6R6666—Price25c

Horn Combs.



Made with both coarse and fine teeth. Shipping weight, 2 ounces.

6R6661—Small size. Length, 6⅞ inches; width, ⅞ inches.

Price.....23c

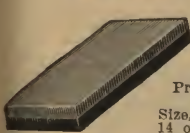
Wilbert Barbers' Set-In-Rubber Brush.



Large size, with selected white bristles. Composition ferrule 1½ inches in diameter. The bristles are 2½ inches long and vulcanized in rubber cement under heavy pressure. Shipping weight, 6 ounces.

6R6300—Price, each.....86c

Fine Belgian Razor Hone.



Selected especially for the best barbers' trade.

6R6572

Size, 3¼x1¼ in.

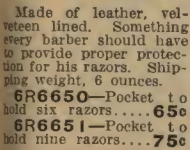
Shpg. wt., 12 oz.

Price.....82c

6R6576

Size, 4x2 in. Shpg. wt., 14 oz. Price.....\$1.25

Barbers' Razor Pockets.



Made of leather, velvet-lined. Something every barber should have to provide proper protection for his razors. Shipping weight, 6 ounces.

6R6650—Pocket to hold six razors....65c

6R6651—Pocket to hold nine razors....75c

Barbers' Kit.

Imitation leather covered, felt lined folding kit with compartments for various accessories. Holds six razors, two pairs shears, two combs, tweezers and extractor. Folds into a compact case, 8¾ inches long, 3½ inches high. Length, when opened, 11 inches. Fastened with snap buttons. Shipping weight, 12 ounces.

6R6653—Price90c

BARBERS' SUPPLIES



The Tonics, Lotions, Creams and other liquids shown on this page are put up especially for barbers' use. Small size packages are on pages 607, 608, 609, 610 and 612.



Olive Brand Shampoo Liquid.

Olive Brand Shampoo is one of the best known on the market. Quickly makes a creamy lather and helps to keep the hair and scalp in a healthy condition. Shipping weight, about 4 pounds.

6R6606

Price, per quart bottle80c



After Shaving Face Lotion.

This lotion contains about 20 per cent alcohol. Will help to relieve that burning sensation and itching caused by shaving. Shipping wt., about 4 lbs.

6R6607

Price, per quart bottle90c



Wilbert Dandruff Remedy.

This preparation consists of ingredients which assist in checking the falling of hair and gives relief to dandruff trouble and other scalp irregularities. Contains about 50 per cent alcohol. Shipping weights, per quart, about 4 lbs.; per gallon, abt. 15 lbs.

6R6604

Per quart \$1.85

6R6605

Per gal. \$7.00



Bay Rum.

Put up especially for barbers' use. Shpg. wts., per qt., abt. 4 lbs.; per gallon, about 15 lbs.

6R6600

Price, quart...95c

6R6601

Price, per gallon\$3.50

Quinine Hair Tonic Compound.

Hair tonic and dandruff remedy. Contains about 47 per cent alcohol. Shipping weight, about 4 pounds.

6R6612

Quartbottle \$1.60



Lilac Toilet Water.

Possesses a delicate and lasting fragrance. Contains about 47 per cent alcohol and other ingredients. One of the finest and richest toilet waters that can be prepared. Shipping weight, about 4 lbs.

6R6613

Price, per quart bottle\$1.80



Hair Tonic.

It contains about 55 per cent of alcohol and is excellent as an aid in keeping the scalp in a healthy condition. Shpg. wts., per quart, about 4 lbs.; per gallon, about 15 lbs.

6R6602

Price, per quart ...\$1.70

6R6603

Price, per gallon\$6.50



Williams' Tonsorial Shaving Soap

Put up especially for barbers' use. Four cakes to the pound, of a size and shape most economical for the barber's stand. Barbers have endorsed this "no waste" cake as the best they have ever used for shop work. Shipping weight, 1¼ pounds.

6R6619—Price, per pound package.....\$0.60

6R6614—Price, per 10-pound box. (Shipping weight, 11 pounds).....5.95

Shavaid Beard Softener.

Put up especially for barbers' use. To be applied before lathering. Softens the beard without rubbing. Is a preventive of irritation; soothes and cools the face. It eliminates the necessity of rubbing in the lather with the fingers. Put up in 1-pound glass jars. One pound will give about 500 applications. Order a pound package. Shipping weight, per package, about 1½ lbs.

6R6640

Price, per pound package.....85c



Barbers' Razor Box.

Barbers' imitation leather covered wood box with snap button. Holds nine razors. Height, 7½ inches. Width, 3½ inches. Shipping weight, 10 ounces.

6R6652—Price60c

Barbers' Shampoo Apron.

Made of good quality material, rubber finish. Washable white apron. No barber should be without an apron of this kind. Size, 40 x 45 inches. Shipping weight, 8 ounces.

6R6667

Price70c



Barbers' Whisk Broom.



Barbers' good quality whisk broom, long selected stock, about 20 inches over all. Shipping weight, 11 ounces.

6R6691—Price, each.....45c

Barbers' Neck Duster.



Short selected oakwood handle, polished nicely and set with strictly first quality horsehair. Regular length and weight. An article that every barber should have. Shipping weight, 5 ounces.

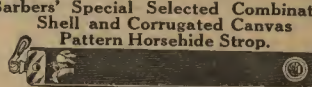
6R6685—Price48c

Barbers' Shaving Mug.

Glass mug with removable soap cup. Size, 3¼x3¼ in. Shipping weight, 1 pound.

6R6731—Price, mug and soap cup...19c

Barbers' Special Selected Combination Shell and Corrugated Canvas Pattern Horsehide Strop.



Finishing leather of fine, selected, heavy shell, broken in, ready for use. Sharpening side of corrugated, canvas pattern, selected heavy horsehide, carefully prepared. Gold plated swivel. Length, 24 inches; width, 2½ inches. Shipping weight, 12 ounces.

6R6542—Price, complete.....\$2.20

6R6543—Price, Shell Leather only without swivel (shipping weight, 6 oz.)...\$1.30

6R6544—Price, Corrugated Horsehide only, without swivel.....\$1.00

Sears, Roebuck and Co.
Chicago 985-3

21101A

Clippers and Shears

The Clippers on This Page to Be Used for Human Hair Only.

For Dog and Horse Clippers Turn to Our Harness Pages.

The Fulton Hair Clipper.

This clipper is full size, well made of good steel properly tempered, finely finished and nickel plated. Cuts hair $\frac{1}{8}$ inch long. Although low in price this clipper will give excellent satisfaction. For private use we strongly recommend it. Shipping weight, 12 ounces.

6R6712—Price\$1.45

6R6713—Springs for the Fulton Hair Clipper. Shipping weight, 1 ounce.

Price80c

Wilbert Barbers' Nickel Plated Shears.

Steel laid, nickel plated shears. Finely tempered and ground. These shears possess a clean, sharp edge.

Catalog No.	Whole Length	Length of Cut	Shpg. Weight.	Price
6R6966	7 in.	3 $\frac{3}{4}$ in.	4 oz.	\$0.85
6R6967	7 $\frac{1}{2}$ in.	3 $\frac{1}{2}$ in.	4 $\frac{1}{2}$ oz.	.90
6R6968	8 in.	3 $\frac{1}{2}$ in.	5 oz.	.95
6R6969	8 $\frac{1}{2}$ in.	4 in.	6 oz.	1.05

Neck Shave Clipper.

Cuts hair almost as close as a razor. The blades are made of tool steel, accurately machined and ground. The teeth are finely finished and beveled with just the right taper. Nickel plated throughout. A high quality clipper. Shipping weight, 9 ounces.

6R6716—Price\$2.60

6R6717—Springs for Neck Shave Clipper. Shpg. wt., 2 oz.

Price80c

The Waldorf Ball Bearing Clipper.

The Waldorf Clipper has a fine fluted curved bottom plate. No rough edges. Three-coil tempered wire spring. Teeth carefully beveled and finely finished. Roller bearing. A very easy operating clipper. Nickel plated and polished. Shipping weight, 13 ounces.

6R6708—Price\$2.20

6R6709—Springs for Waldorf Hair Clipper. Shpg. wt., 1 oz. Price.....8c

Barbers' Gunmetal Finish Solid Steel Shears.

Our first quality gunmetal finish forged solid steel Barbers' Shears. The workmanship and material are first quality. We guarantee them to give satisfaction. Whole length, 7 $\frac{1}{2}$ in.; length of cut, 3 $\frac{1}{2}$ in. Shipping wt., 5 ounces.

6R6935—Price\$1.49

Razor Purse.

Made of good quality leather, sheepskin chamois lined, with nickel plated clasps. A very handy individual razor purse. Will prevent razor from damage by dropping or rough usage if enclosed in this purse. Shipping weight, 1 ounce.

6R6658—Price....18c

Wilbert Barbers' Solid Steel Forged Shears.

Made of good grade steel, nickel plated. Finely tempered and ground. Guaranteed to cut smooth and retain edge a long time. They are graceful, light and well balanced.

6R6962—Whole length, 7 inches; length of cut, 3 inches. Shipping weight, 4 ounces.

Price95c

6R6963—Whole length, 7 $\frac{1}{2}$ inches; length of cut, 3 $\frac{1}{2}$ inches. Shipping wt., 4 $\frac{1}{2}$ ounces.

Price\$1.00

6R6964—Whole length, 8 inches; length of cut, 3 $\frac{1}{2}$ inches. Shipping weight, 5 ounces.

Price\$1.05

Adjustable Razor Guard.

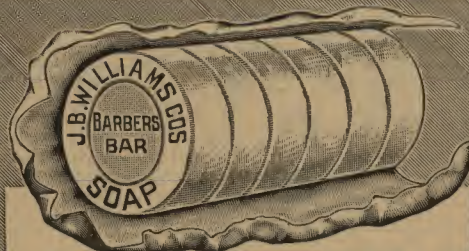
The "Shavezy" Razor Guard, reversible and adjustable to any standard razor from $\frac{3}{8}$ inch to $\frac{1}{2}$ inch wide. Makes a practical safety razor of your own favorite blade. Full directions accompany each guard. Nickel plated finish. Shipping weight, 2 ounces.

6R6729—Price28c

Shaving Mug.

Imitation China Mug. Nicely decorated. Made of good material with gilt rimmed top and heavy base flange. About 3 $\frac{1}{2}$ inches high. Shipping weight, 1 $\frac{1}{2}$ pounds.

6R6739—Price ...30c



Williams' Shaving Soap.

This is the well known Standard Barbers' Bar Shaving Soap. Six cakes to the pound. This standard barbers' soap is also very popular with the private user. A very high grade article.

6R6639—Price, per pound (six cakes). Shipping weight, 1 $\frac{1}{2}$ pounds.60c

6R6638—Price, per $\frac{1}{2}$ pound (three cakes)....32c

For Supplies for Professional Barbers, See Page 985.



Williams' Quick

and Easy Shaving Powder.

Quicker than stick or mug and brush. Sprinkle a little powder on a wet brush and apply to face. It forms a rich lather. Shipping weight, 5 oz.

6R6636

Price, per can.....29c



Medium Size Aluminum Mug.

Cast aluminum handle strongly riveted to cup. Satin finish body, neatly engraved. Very strong and serviceable. Size, 3 $\frac{1}{2}$ x3 $\frac{1}{2}$ inches. Shipping weight, 8 ounces.

6R6736—Price65c

Engraving initials on aluminum cups, extra, per letter, 5 cents. Be sure to state letters wanted.

Barbers' Hair Brush.

Long stiff bristles, nicely finished oak back. A well made, substantial brush. Length, 8 $\frac{1}{2}$ inches. Shipping weight, 6 oz.

6R6693

Price\$1.15

Williams' Shaving Stick.

In nickel plated box. Handy when traveling; also for home use. No waste; always clean and ready for use. Shipping weight, 5 ounces.

6R6637—Price, per box...29c

Razor Strop Holder.

Nickel Plated Razor Strop Holder with swivel. Shipping weight, 4 oz.

6R6683

Price, each.....7c

Per dozen.....70c



Williams' Luxury Shaving Cream.

Nicely perfumed. A small quantity of the cream on a wet brush will work up a good lather. In large size tubes. Shipping weight, 5 ounces.

6R6635—Price, per tube.....29c



Kleaner-Klip Safety Razor Blade Cleaner.

Metal frame, polished brass finish. One end rubber for cleaning, other end cloth for drying. Quickly cleans and dries any safety razor blade. Prevents rusty blades. Shipping weight, 2 ounces.

6R6697—Price18c



Barbers' Hair Brush.

Pullman pattern, with long, narrow ebony back, five rows stiff white bristles. A favorite with barbers. Length, 9 inches; width, 1 $\frac{1}{4}$ inches. Shipping wt., 5 ounces.

6R6696

Price74c



Razor Strop Softening Compound.

Contains no grit or emery. Softens the leather of any strop which has become hard and dry. Also makes a good filler for canvas. Shipping weight, 2 ounces.

6R6726—Price, small jar.....15c

Razor Strop Dressing.

A compound possessing just the right amount of hardness to put an edge on the razor. Comes in cakes 2 inches long, $\frac{1}{4}$ inch wide. Shipping weight, 1 ounce.

6R6727—Price, per cake.....9c

SHEARS and SCISSORS

Excellent shears for general use and are especially adapted for cutting cloth on a table. The bent handle enables the user to follow a line without the hand coming in contact with the table. Made of first quality steel, nicely finished and properly adjusted.

Japanned Handles.

Catalog No.	Size	Shipping Weight	Price
6R6920	8 in.	9 oz.	\$0.88
6R6921	9 in.	10 oz.	1.10
6R6922	10 in.	14 oz.	1.40

Full Nickel Plated.

Catalog No.	Size	Shpg. Wt.	Price
6R6926	8 in.	9 oz.	\$1.00
6R6927	9 in.	10 oz.	1.30
6R6928	10 in.	14 oz.	1.55

Wilbert Scissors. Women's flat solid steel scissors. These scissors are full nickel plated and finely fitted.

Catalog No.	Size	Shipping Weight	Price
6R6940	4 in.	3 oz.	\$0.70
6R6941	5 in.	4 oz.	.80
6R6942	6 in.	4 oz.	.90
6R6943	7 in.	5 oz.	1.05

These Tailors' and Upholsterers' Shears are made with first quality heavy steel laid blades; japanned handles. They are fitted with strong steel screw and nut. Nicely finished and carefully adjusted. **State size.**

Catalog No.	Size	Shipping Weight	Price
6R6956	10½ in.	1¼ lbs.	\$2.10
6R6957	12 in.	2¼ lbs.	2.70

Solid Steel Embroidery Scissors. Women's embroidery and lace scissors. Made of good quality steel, well tempered and nickel plated. Blades are needle point, well edged and beveled. Length, 3½ inches. Shipping weight, 2 ounces.

6R6945
Price68c

School or Pocket Scissors. Made of good grade steel, nicely finished. The blunt, rounded ends make it just what the child wants for school or kindergarten work. Also good pocket scissors. Length, 3½ inches. Shipping weight, 2 ounces.

6R6950
Price34c

Wilbert Pocket Scissors are made with extra heavy blades. The blades are finely fitted and made of good quality steel, well tempered and properly fitted.

Catalog No.	Size, In.	Shpg. Wt.	Price
6R6937	4	3 oz.	70c
6R6938	4½	4 oz.	75c
6R6939	5	4 oz.	80c

Women's Fancy Solid Steel Scissors. The handles are made in a fancy design. Blades are nickel plated. Made of good grade steel, well tempered and evenly fitted.

Catalog No.	Size, In.	Shpg. Wt.	Price
6R6947	3½	3 oz.	50c
6R6948	4½	4 oz.	65c

These Buttonhole Scissors are nickel plated and made with inside set screw to adjust blades for cutting. Nicely finished and carefully fitted. A high grade scissors. Length, about 4½ inches. Shipping weight, 3 ounces.

6R6953—Price65c

Combination Shears and Knife Sharpener.

Nickel plated sharpener, 9 in. long, fitted with steel file plate. A very simple device to quickly put an edge on shears, scissors or knife. Shipping wt., 7 oz.

6R6960—Price28c

Complete Shaving Outfit.

Consists of one good quality hollow ground razor, a double swing strop, a shaving mug, a Raven razor hone, a Williams' barbers' bar soap. Shipping weight, 3¼ pounds.

6R6455—Price\$4.25

Acme Shaving Set.

This shaving outfit consists of a good grade hollow ground razor with black rubber handle and a double swing porpoise hide and prepared web razor strop. Also a good shaving brush, shaving mug and cake of Williams' shaving soap. Put up in neat paper box. Shipping weight, 1½ pounds.

6R6452—Price, complete outfit.....\$1.95

Adjustable Shaving Mirror.

Shaving Mirror mounted on nickel plated brass frame. Fine 6-inch French bevel glass. Can be set on the table with the glass at any angle, or used as a hand mirror. Shipping weight, 2 pounds.

6R6677—Price..\$1.20

Good Shaving Set.

This outfit consists of a hollow ground razor, a genuine Apart razor hone and a good quality shell horsehide strop, finished on both sides. Shipping weight, 1 pound 1 ounce.

6R6459
Price, complete outfit.....\$2.10

Steel Unbreakable Mirror.

Nickel plated over copper plating and highly polished on both sides. Can be hung anywhere. Felt covers, except on size 4x6 inches.

6R6695A—Size, 3x4 inches. Shpg. wt., 3 oz. Price, each...20c

6R6695B—Size, 3x5 inches. Price, each.....25c

6R6695C—Size, 4x6 inches. Shipping weight, 6 ounces. Price, each.....35c

Leather Razor Roll.

Lined with soft felt. Has two clasps. Makes a compact and safe way to carry a number of razors, which, if thoroughly dried, will not rust. Shipping wt., 4 oz.

6R6670—For three razors.....70c

6R6671—For four razors.....75c

6R6672

For six razors...90c

Stag Safety Razor Sharpener.

Hones and strops any safety razor blade. Automatically holds the blade at the proper angle and insures an even, perfect edge. First quality hone and strop included. Shipping weight, 14 oz.

6R6399—Price, complete.....87c

Razor Outfit.



This outfit consists of two razors enclosed in a snap button leather case. The razors are good quality steel, full hollow ground. Shipping weight, 6 ounces.

6R6449

Price, complete.....\$1.85

Circular Extension Mirror.



A French bevel glass, 8 inches in diameter, set in solid back burnished nickel plated frame. Can be attached to the wall and extended to 24 inches, being also adjustable to any angle desired. An unusually handy, convenient article for general household use, but especially suitable for attaching near a window where plenty of light is desired. Shipping weight, 3¼ pounds.

6R6675—Price\$2.50

Sears, Roebuck and Co.
Chicago 987-3

1103A

Pocket Knives



Wilbert Stag Pattern Handle Knife. 3½ inches long. Double bolsters. Spear blade, 2¾ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7058—Price78c



Wilbert Dakota Cowboys' Knife. Stag pattern handle, 3½ inches long. Double bolsters. Spear blade, 2¾ inches long; sheep's foot blade, 2¼ inches long; pen blade, 2¼ inches long. Shipping weight, 6 ounces.

6R7065—Price\$1.12



Gray Celluloid Handle Stock Knife. 3¾ inches long. Diagonal nickel silver bolsters. Clip blade, 3¼ inches long; spaying blade, 2¼ inches long; one awl blade. Shipping weight, 6 ounces.

6R7100—Price\$1.29



Wilbert Three-Blade Knife. Stag pattern handle, 3½ inches long. Double bolsters. Spear blade, 2¾ inches long; two pen blades, 1¾ inches long. Shipping weight, 4 ounces.

6R7057—Price85c

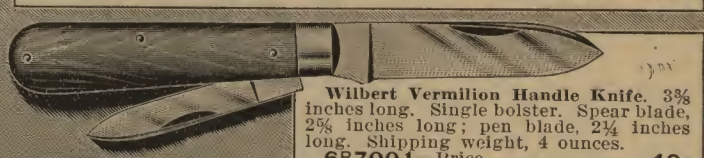
Wilbert Stag Pattern Handle Knife. 3½ inches long. Double bolsters. Clip blade, 2¾ inches long; pen blade, 1¾ inches long. Shipping weight, 4 ounces.

6R7044—Price72c



Wilbert Congress Pattern Jackknife. Stag pattern handle, 4¼ inches long. Double bolsters. Sheep's foot blade, 2¾ inches long; pen blade, 2¼ inches long. Shipping weight, 5 ounces.

6R7026—Price78c



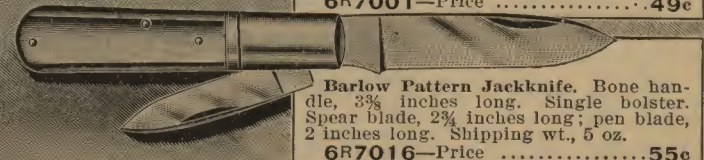
Wilbert Vermilion Handle Knife. 3¾ inches long. Single bolster. Spear blade, 2¾ inches long; pen blade, 2¼ inches long. Shipping weight, 4 ounces.

6R7001—Price49c



Stag Pattern Handle Knife. 3½ inches long. Double bolsters. Clip blade, 2¾ inches long; pen blade, 1¾ inches long. Shipping weight, 4 ounces.

6R7018—Price86c



Barlow Pattern Jackknife. Bone handle, 3¾ inches long. Single bolster. Spear blade, 2¾ inches long; pen blade, 2 inches long. Shipping wt., 5 oz.

6R7016—Price55c



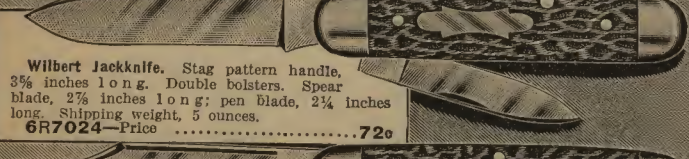
Wilbert White Bone Handle Easy Opener Knife. 3¾ inches long. Double bolsters. Spear blade, 2¾ inches long; pen blade, 1¾ inches long. Shipping weight, 5 ounces.

6R7014—Price74c



Wilbert Horn Handle Jackknife. 3¾ inches long. Double bolsters. Clip blade, 2¾ inches long; pen blade, 2 inches long. Shpg. wt., 5 oz.

6R7047—Price85c



Wilbert Jackknife. Stag pattern handle, 3¾ inches long. Double bolsters. Spear blade, 2¾ inches long; pen blade, 2¼ inches long. Shipping weight, 5 ounces.

6R7024—Price72c



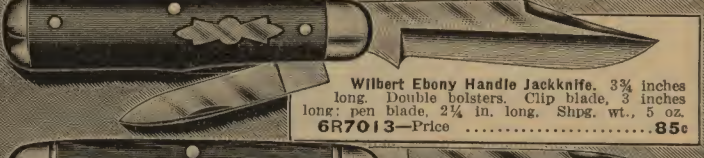
Ebony Handle Easy Opener Knife. 3¾ inches long. Double bolsters. Large blade, 2¾ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7008—Price77c



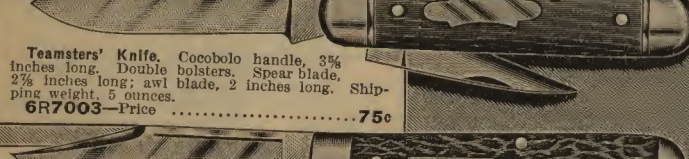
Wilbert Jackknife. Stag pattern handle, 3¾ inches long. Double bolsters. Clip blade, 2¾ inches long; pen blade, 1¾ in. long. Shipping weight, 5 ounces.

6R7023—Price76c



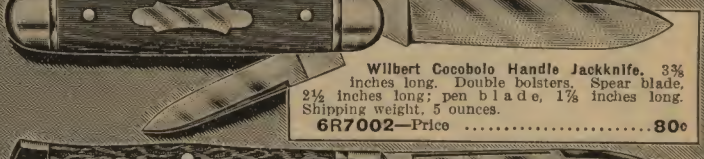
Wilbert Ebony Handle Jackknife. 3¾ inches long. Double bolsters. Clip blade, 3 inches long; pen blade, 2¼ in. long. Shpg. wt., 5 oz.

6R7013—Price85c



Teamsters' Knife. Cocobolo handle, 3¾ inches long. Double bolsters. Spear blade, 2¾ inches long; awl blade, 2 inches long. Shipping weight, 5 ounces.

6R7003—Price75c



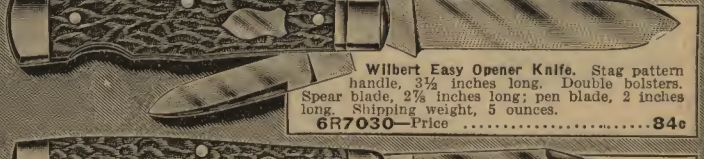
Wilbert Cocobolo Handle Jackknife. 3¾ inches long. Double bolsters. Spear blade, 2¾ inches long; pen blade, 1¾ inches long. Shipping weight, 5 ounces.

6R7002—Price80c



Stag Pattern Handle Jackknife. 3¾ inches long. Double bolsters. Clip blade, 2¾ inches long; pen blade, 2¼ inches long. Shipping weight, 5 ounces.

6R7020—Price72c



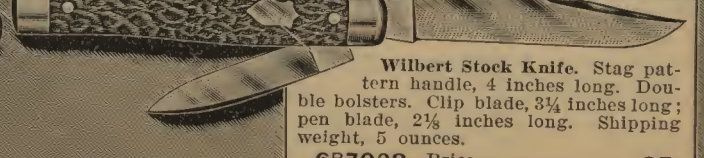
Wilbert Easy Opener Knife. Stag pattern handle, 3¾ inches long. Double bolsters. Spear blade, 2¾ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7030—Price84c



Wilbert Texas Toothpick Knife. Stag pattern handle, 3¾ inches long. Single bolster. Clip point saber blade, 3¼ inches long; pen blade, 2¼ inches long. Shipping wt., 5 oz.

6R7032—Price86c



Wilbert Stock Knife. Stag pattern handle, 4 inches long. Double bolsters. Clip blade, 3¼ inches long; pen blade, 2¼ inches long. Shipping weight, 5 ounces.

6R7028—Price87c

Pocket Knives

Western Stockmen's Lock Blade Awl Knife. Gray celluloid handle, 3 3/4 inches long. Nickel silver bolsters. Clip blade, 3 inches long; spaying blade, 2 inches long; lock awl blade, 1 1/4 inches long, which cannot be released unless large blade is pressed down. Shipping weight, 6 ounces.

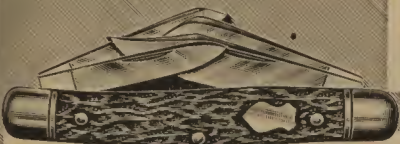
6R7066—Price\$1.38

Wilbert Four-Blade Cattlemen's Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Clip blade, 2 1/2 inches long; sheep's foot blade, 2 1/4 inches long; spaying blade, 2 1/2 inches long; awl or punch blade, 2 inches long. Shipping weight, 6 ounces.

6R7074—Price\$1.25

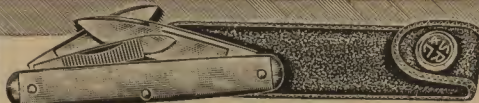
Wilbert Three-Blade Cattle Knife. Stag pattern handle, 3 3/4 inches long. Double bolsters. Spear blade, 2 3/4 in. long; sheep's foot blade, 2 1/4 inches long; awl blade, 2 inches long. Shipping weight, 5 ounces.

6R7064—Price98c



Wilbert Stockmen's Four-Blade Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Clip blade, 2 3/4 inches long; sheep's foot blade, 2 1/2 inches long; spaying blade, 2 inches long; pen blade, 1 1/2 inches long. Shipping weight, 5 ounces.

6R7070—Price\$1.27



Wilbert Three-Blade Pearl Handle Penknife with leather purse. 3-inch handle. Nickel silver bolsters. Large blade, 1 1/2 inches long; small blade, 1 1/4 inches long; nail file, 1 1/2 inches long. Shipping weight, 4 ounces.

6R7059—Price\$1.62



Wilbert Texas Three-Blade Stock Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Clip blade, 3 1/2 inches long; sheep's foot blade, 2 1/4 inches long; spaying blade, 2 1/4 inches long. Shipping weight, 5 ounces.

6R7068—Price\$1.07

Vest Pocket Penknife. Gray celluloid. Flat handle, very thin, 3 in. long. Nickel silver bolsters. Pen blade, 2 1/4 inches long; manicure file, 2 1/4 inches long. Shipping weight, 3 ounces.

6R7054—Price.....98c

Women's Easy Opener Two-Blade Knife. Gray celluloid handle, 2 3/4 inches long. Nickel silver bolsters. Large blade, 2 1/4 inches long; nail file blade, 1 1/2 inches long. Shipping weight, 3 ounces.

6R7053—Price.....69c

Wilbert Three-Blade Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Spear blade, 2 1/2 inches long; sheep's foot blade, each 1 3/4 inches long. Shipping weight, 4 ounces.

6R7079—Price.....93c

Wilbert Small Congress Four-Blade Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Large blade, 2 1/2 inches long; two pen blades, each 1 3/4 inches long; one nail file, 1 3/4 inches long. Shipping weight, 4 ounces.

6R7056—Price.....\$1.12

Wilbert Four-Blade Pocket Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Spear blade, 2 1/2 inches long; two pen blades, each 1 3/4 inches long; nail file blade, 1 3/4 inches long. Shipping weight, 4 ounces.

6R7072—Price.....93c

Wilbert Two-Blade Penknife. Stag pattern handle, 3 inches long. Large blade, 2 inches long; small blade, 1 1/2 inches long. Shipping wt., 3 ounces.

6R7051—Price.....58c

Men's Four-Blade Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Spear blade, 2 inches long; two pen blades, each 1 3/4 inches long; nail file, 1 3/4 inches long. Shipping weight, 4 ounces.

6R7090—Price.....\$1.50

English Style Stockmen's Three-Blade Knife. Stag pattern handle, 4 inches long. Nickel silver bolsters. Clip blade, 3 1/4 inches long; sheep's foot blade, 2 3/4 inches long; spaying blade, 2 1/4 inches long. Shipping weight, 5 ounces.

6R7086—Price.....\$1.68

Wilbert Physicians' Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver cap and bolster. Large blade, 3 1/4 inches long; small blade, 2 1/4 inches long. Shipping weight, 4 ounces.

6R7052—Price.....87c

Wilbert Three-Blade Double End Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Large clip blade, 2 3/4 inches long; small clip blade, 1 3/4 inches long; pen blade, 1 3/4 inches long. Shipping weight, 5 ounces.

6R7062—Price.....\$1.09

Wilbert Large Congress Four-Blade Knife. Stag pattern handle, 3 3/4 inches long. Nickel silver bolsters. Two sheep's foot blades, one 2 3/4 inches long, the other 2 inches long; two pen blades, each 2 inches long. Shipping weight, 5 ounces.

6R7071—Price.....\$1.18

Wilbert Flat Penknife or Vest Pocket Knife. Stag pattern handle, 3 inches long. Nickel silver tips. Spear blade, 2 1/2 inches long; small blade, 1 1/2 inches long. Shipping weight, 4 ounces.

6R7055—Price.....76c

Three-Blade Pearl Handle Pocket Knife. 3 3/4 inches long. Nickel silver bolsters. Large blade, 2 1/2 inches long; pen blade, 1 3/4 inches long; nail file, 1 3/4 inches long. Shipping weight, 4 oz.

6R7060—Price.....\$2.25

Wilbert Pearl Handle Cattle Knife. 3 3/4 inches long. Nickel silver bolsters. Spear blade, 2 3/4 inches long; sheep's foot blade, 2 1/4 inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7049—Price\$2.00

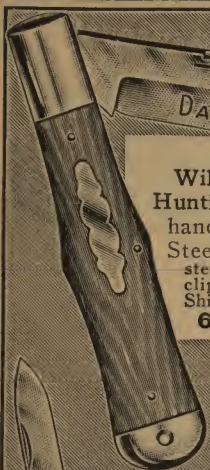
Wilbert Premier Stockmen's Three-Blade Knife. Mahogany finish celluloid handle, 3 3/4 inches long. Nickel silver diagonal bolsters. Clip blade, 2 3/4 inches long; sheep's foot blade, 2 1/4 in. long; pen blade, 2 in. long. Shpg. wt., 5 oz.

6R7061—Price.....\$1.22

Wilbert Pearl Handle Three-Blade Stockmen's Knife. 4 inches long. Nickel silver bolsters. Clip blade, 3 3/4 inches long; sheep's foot blade, 2 1/4 inches long; spaying blade, 2 1/4 inches long. Shipping weight, 5 ounces.

6R7050—Price.....\$2.30

Miscellaneous Knives

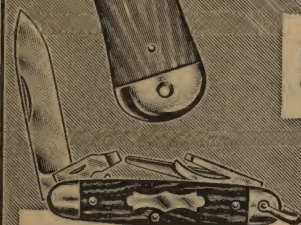


Wilbert Daniel Boone Hunting Knife. Cocobolo handle, $5\frac{1}{4}$ inches long. Steel bolsters and cap, steel lined. Strong saber clip blade, $4\frac{1}{4}$ inches long. Shipping weight, 7 ounces.
6R7037—Price...\$1.15



Wilbert Hunters' Pride Knife. Stag pattern handle, $4\frac{3}{8}$ in. long. Nickel silver bolsters. Clip blade, $3\frac{3}{8}$ inches long; small blade, $2\frac{1}{2}$ inches long. Shipping weight, 6 ounces.
6R7035—Price.....98c

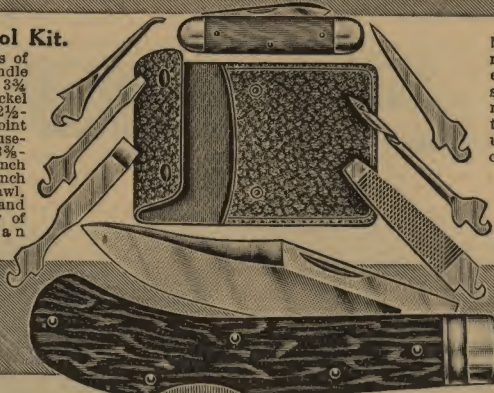
Hercules Combination Tool Knife. Stag pattern handle, 4 inches long. Nickel silver bolsters. Spear blade, $2\frac{1}{4}$ inches long; sheep's foot blade, $2\frac{1}{4}$ inches long; pen blade, $2\frac{1}{4}$ inches long; nail file blade, $2\frac{1}{4}$ inches long; one swedging awl, one combination screwdriver and tack puller. Shipping weight, 4 ounces.
6R7075—Price\$1.80



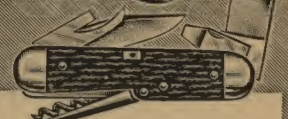
Wilbert Pocket Knife, suitable for Boy Scouts. Stag pattern handle, $3\frac{3}{8}$ inches long. Nickel silver bolsters. Large spear blade, $2\frac{1}{2}$ inches long; one swedging awl, one combination bottle opener and screwdriver and one can opener. Shipping wt., 6 oz.
6R7080—Price...\$1.35

Pocket Tool Kit.

Outfit consists of a cocobolo handle pocket knife, $3\frac{3}{8}$ inches long; nickel silver bolsters, $2\frac{1}{2}$ -inch spear point blade; also six useful tools: A $3\frac{3}{8}$ -inch file, $3\frac{3}{8}$ -inch screwdriver, 3-inch chisel, 3-inch awl, cork puller and drill. Any of these tools can



be fastened in a moment's time to end of knife, the spring of which rigidly holds the tool in place. Put up in neat leather case. Shipping eight, 12 ounces.
6R7076 Price.\$1.75



Combination Tool Knife. Stag pattern handle, $3\frac{3}{8}$ inches long. Nickel silver bolsters. One spear blade, $2\frac{1}{4}$ inches long; one clip blade, 2 inches long; one swedging awl, one can opener, combination bottle opener and screwdriver, tack puller and cork puller. Shipping weight, 6 ounces.
6R7084—Price...\$1.98



Sheffield Pattern Bowie Hunting Knife. Stag pattern handle, nickel silver guard. Leather sheath. Shipping weight, 15 ounces.
6R7135 $\frac{1}{4}$ —6-in. Price..\$1.40
6R7136 $\frac{1}{4}$ —7-in. Price.. 1.60

Arkansas Lock Blade Hunters' Knife. Stag pattern handle, $4\frac{1}{2}$ inches long. Single bolster. Shaped to fit the palm. Clip point saber blade, $3\frac{3}{4}$ inches long. Blade cannot close until lock is released. Shipping weight, 7 ounces.
6R7039—Price\$1.18



Dexter Light Weight Hunting Knife. Blade, $4\frac{1}{4}$ inches long by $\frac{3}{4}$ inch wide. Made of heavy gauge steel, well ground and honed. Nickel plated ferrule. Black oval handle, securely fastened. Leather sheath included. Shipping wt., 6 ounces.
6R7130 $\frac{1}{4}$ —Price\$1.20



Small Size Hunting and Skinning Knife. Ebony finished handle, $3\frac{1}{2}$ inches long, good quality steel blade, 4 inches long, securely held by three heavy brass rivets. Leather sheath with loop to attach to belt. Shipping weight, 5 ounces.
6R7132—Price72c

Wilbert Pruning Knife. Cocobolo handle, $3\frac{3}{8}$ in. long. Single bolster. Heavy gauge steel pruning blade, 3 inches long. Shipping wt., 6 ounces.
6R7041—Price..66c

Special Pruning Knife. Cocobolo handle, 4 inches long. Single bolster. Heavy gauge pruning blade, $3\frac{3}{4}$ inches long; one saw blade, $3\frac{3}{4}$ inches long. Shipping weight, 6 oz.
6R7042 Price80c



Business Self Opener Knife. Stag pattern handle, $3\frac{3}{8}$ inches long. Single bolster. Clip blade, $3\frac{3}{4}$ inches long. To open or close, press button. Shipping weight, 5 ounces.
6R7077—Price96c



Metal Handle Combination Knife. Cork-screw and Cigar Cutter. Nickel silver bolster. Length of knife, $3\frac{1}{2}$ in. Blade, $2\frac{1}{4}$ inches long. Shipping weight, 3 ounces.
6R7118 Price25c

Men's Pocket Knife. Stag pattern handle, $3\frac{1}{4}$ in. Nickel silver bolsters. Spear point blade, $2\frac{1}{4}$ inches; pen blade, $1\frac{1}{2}$ in.; $2\frac{1}{2}$ -in. manure file. Shipping wt., 5 ounces.
6R7096 Price70c



Perfection Pocket Knife Desk Hone. Will keep pocket knife or small cutting tool sharp. Every pocket knife owner should have one of these stones. Four inches long by $\frac{1}{2}$ inch wide. Shipping weight, 4 ounces.
6R7142—Price12c



Leather Knife Purse. For knives having handles not longer than 4 inches. Give length of knife you intend to carry in purse. Shipping weight, 1 ounce.
6R7124—Price7c



Women's Penknife. Stag pattern handle, $2\frac{1}{2}$ in. long. Nickel silver tipped bolsters. Pen blade, $1\frac{1}{2}$ in. long; nail file, $1\frac{1}{4}$ inches long. Shipping wt., 2 oz.
6R7110 Price58c

Fancy Gray Celluloid Handle Pocket Knife. $3\frac{3}{8}$ inches long. Diagonal nickel silver bolsters. Spear point blade, $2\frac{1}{4}$ inches long; one awl or punch blade. Shipping weight, 6 ounces.
6R7102 Price80c



Four-Blade Pearl Handle Penknife. 3 inches long. Nickel silver bolsters. Large blade, $1\frac{1}{2}$ in.; two pen blades, $1\frac{1}{2}$ in.; nail file blade, $1\frac{1}{2}$ in. Shpg. wt., 5 oz.
6R7120 Price85c

Gunmetal Finished Handle Penknife. 3 in. long. Large blade, $2\frac{1}{2}$ in. long; pen blade, $1\frac{1}{2}$ inches long; one crown bottle opener. Shipping weight, 3 ounces.
6R7114 Price60c



Wilbert Gladiator. Stag pattern handle, $4\frac{1}{4}$ inches long. Double bolsters. Spear blade, $3\frac{3}{4}$ inches long; clip blade, $3\frac{3}{4}$ inches long. Shipping wt., 5 ounces.
6R7046—Price\$1.10



Three-Blade Pearl Handle Penknife. $2\frac{3}{4}$ in. long. Nickel silver bolsters. Spear blade, 2 inches long; pen blade, $1\frac{1}{2}$ inches long; nail file, $1\frac{1}{2}$ inches long. Shpg. wt., 4 ounces.
6R7122 Price65c

Combination Penknife and Cigar Cutter. Nickel silver handle, $2\frac{1}{4}$ in. long. Pen blade, $1\frac{1}{4}$ inches long. Press down pen blade to cut cigar end. Shpg. wt., 2 oz.
6R7108 Price....28c

Miscellaneous Knives

Cocobolo Handle Knives and Four-Tine Forks.

Double bolstered swaged scimitar blades. One good whetstone that will quickly put an edge on knives. This set represents a value that will be appreciated. Shipping weight, 2 pounds 9 ounces.

6R7200—Price, per set, six knives, six forks and whetstone.....\$1.75

Grapefruit Knife.

Made of good flexible spring steel, with nickel plated ferrule. Square black finished handle with beveled edges to insure a firm hold. Blade, 3 inches long. Shipping weight, 4 oz.

6R7204—Price24c

Housewives will save a great deal of time and be able to do their work better and easier with some of the handy knives on this page. Here you will find everything from a grapefruit knife to a high quality kitchen cleaver. Knife sharpeners will also be of great assistance to you.

Solid Aluminum Handle Knives and Forks.

The blades are of first quality steel, ground to a good edge. The forks have steel prongs, nickel plated. An attractive set, very light in weight. Shipping weight, 1¼ pounds.

6R7282—Price, per set, six knives and six forks.....\$3.35

Teaette.

Economy teaette; steel, nickel plated. By its use you can make a single cup of tea any strength desired. Saves tea; keeps tea leaves out of teacup. New idea for making tea. Shipping weight, 4 oz.

6R7280—Price15c

Kitchen Steel.

Ebony finish handle; 8-inch steel; 12 inches over all. Nickel plated steel ferrule. A good, serviceable steel for household use. Shipping weight, 1¼ pounds.

6R7274—Price34c

Solid Aluminum Handle Paring Knife. 3¼-inch blade, clip point, a good grade of steel, ground to a keen edge. Length of handle, 3¼ inches; entire length, 6½ inches. Shipping weight, 3 ounces.

6R7220—Price20c

Paring Knife. Diagonal point, hardwood handle. Length of blade, 3 inches. This knife is excellent value and will give good service. Shipping weight, 3 ounces.

6R7221—Price12c

Kitchen Knife. Sharp point, cocobolo handle, well riveted. Single bolster. This knife is made of a good grade of steel and will give satisfaction. Shipping weight, 3 ounces.

6R7222—Price15c

Carving Knife. A medium priced carving knife especially designed for everyday kitchen use. Fitted with a 9-inch blade, made from good quality steel. Black enameled handle, polished ferrule. Possesses excellent cutting qualities. Shipping weight, 7 oz.

6R7206—Price55c

Hotel or Kitchen Slicer.

A handy all around slicer for kitchen use. Cocobolo handle, three large brass rivets; blade, 9 inches long, good grade of steel. Shipping weight, 8 ounces.

6R7207—Price32c

Pruning and Linoleum Knife.

Has 3-inch curved blade. Made of a good grade of steel. Hardwood handle, 4 inches long, with polished ferrule. Knife is also practical for cutting linoleum. Shipping weight, 5 ounces.

6R7232—Price28c

Family Cleaver.

Good steel blade. Is a very handy household article and should be in every kitchen. Blade, 6¼ in. long; entire length, 12 inches. Shipping weight, 1½ pounds.

6R7261—Price45c

Good Grade Kitchen Cleaver. Six-inch blade. Made of a good grade of steel. Handle strongly riveted. Entire length, 11 inches. For kitchen use. Shipping weight, 1¼ pounds.

6R7260—Price82c

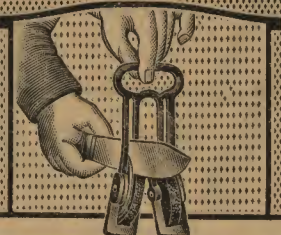
Dexter Spatula.

Made from a good grade of steel. Blade, 6 inches long, 1 inch wide, very flexible. For pastry and cake turning. Black oval shaped handle, with polished ferrule. Shipping weight, 3 ounces.

6R7209
Price47c

Pot Fork. Made of heavy gauge steel. Fitted with large, heavy cocobolo handle fastened with three brass rivets. Length of prongs, 3¼ inches; entire length of fork, 12½ inches. Shpg. wt., 8 oz.

6R7216—Price28c



Automatic Knife Sharpener. For kitchen, butcher knives, etc. Made with two smooth cutting grinding wheels, which will automatically adjust themselves to any blade and produce a fine cutting edge. Shipping weight, 7 oz.

6R7268—Price18c

Popular Shape Kitchen Knife. Blade made of a good grade of steel and will retain its sharp edge. Black enameled metal handle, very thin. A plain knife, but one of good quality. Shipping weight, 3 ounces.

6R7226—Price22c

Safety Paring Knife. Will peel an apple or potato the right thickness without any waste. It contains a removable safety razor blade. Length, 7 inches. Shipping weight, 4 ounces.

6R7228—Price13c

Good Grade Shoe or Paring Knife. Smooth hardwood handle. Sharp pointed blade, 3 inches long and made of a good grade of steel; keenly ground. Shipping weight, 3 ounces.

6R7230—Price17c

Bread Knife. Good grade serrated edge bread knife with aluminum handle. Blade, 8 inches long. Made of a good grade of steel. Will slice hot or cold bread and cake without crumbling. Shipping weight, 8 ounces.

6R7212—Price50c

Lightning Bread Knife.

Blade, 8½ inches long, with saw tooth edge. Has 4-inch black finished handle; nickel plated ferrule. Sharpen on ordinary stone or steel. Will slice hot or cold bread or cake. Also cold meat slicer. Shipping weight, 8 ounces.

6R7214—Price24c

Heavy Retinned Steel Teaspoons, fancy pattern. Shipping wt., per half dozen, 6 oz.

6R7247—Per half doz. 17c

Heavy Retinned Steel Tablespoons, fancy pattern. Shipping weight, half dozen, 11 oz.

6R7248—Per half dozen.....34c

Heavy Retinned Steel Teaspoons, tipped pattern. Shpg. wt., half doz., 6 oz.

6R7254—Price, per half dozen.....14c

Heavy Retinned Steel Tablespoons, tipped pattern. Shipping weight, half dozen, 11 oz.

6R7255—Per half dozen.....28c

Nickel Plated Teaspoons. A nice pattern. Shpg. wt., per half doz., 6 oz.

6R7250—Per half dozen.....28c

Nickel Plated Tablespoons. Shipping weight, per half dozen, 12 ounces.

6R7251—Per half dozen.....56c

Three Kitchen Knives. Ground sharp and fully guaranteed.

Handles waterproof and will not crack. Blades securely pinned in handles. Blades, 3 inches; entire length, 6¼ in. Shpg. wt., 6 oz.

6R7235—Price, set of 3, as illustrated30c

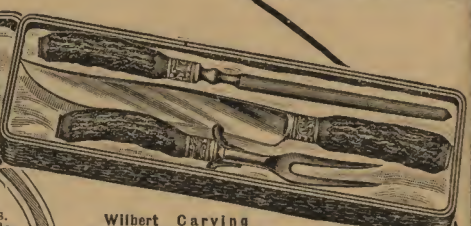
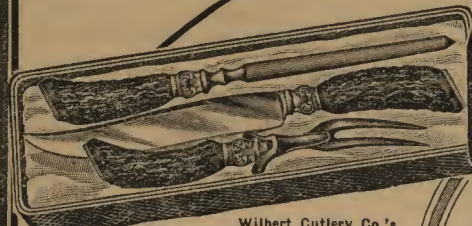
High Quality Wilbert Kitchen Cutlery Set, consisting of seven useful articles for the kitchen, all made of a good grade of steel, cocobolo handles fastened with large brass rivets. One cleaver with 7-inch blade, butcher knife with 6-inch blade, one bread knife and meat slicer with 8-inch blade, one large pot fork 13 inches long, one spatula with 7-inch blade and two kitchen or paring knives. Shipping weight, 2 pounds.

6R7240—Price, complete, 7 pieces....\$2.15

Four-Piece Kitchen Set. This four-piece kitchen set consists of one 16-inch kitchen saw, one cleaver with 6-inch blade, one 6-inch butcher knife, and one paring knife with 3-inch blade. Every article in this set is of good quality. Shipping weight, 2½ pounds.

6R7270—Price, complete\$1.24

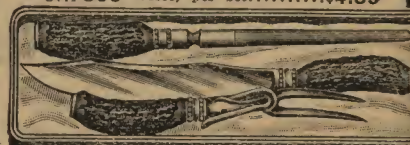
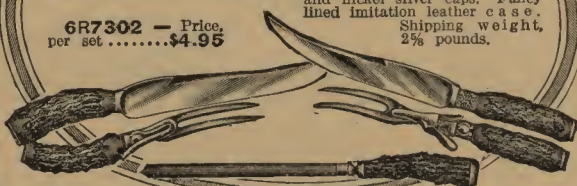
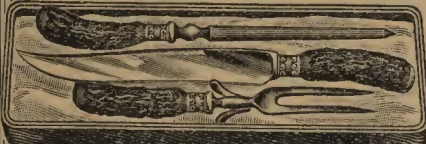
Carving Sets



Wilbert Cutlery Co.'s High Quality Carving Set. 9-inch blade is shaped so that the entire edge is used. Sterling silver ferrules. Nickel silver caps and stag handles. Fork has tines 3 3/4 in. long; fitted with forged spring guard. Steel to match. Shipping weight, 2 pounds, 13 oz.
6R7300—Price, per set.....\$6.38

Wilbert Vanadium Steel Carving Set. Knife has 9-inch blade, finely tempered and ground. Blade forged of vanadium steel. Full size, first quality stag handles. Spring guard fork and steel to match. Sterling silver ferrules and nickel silver caps. Fancy lined imitation leather case. Shipping weight, 2 1/2 pounds.
6R7302 — Price, per set.....\$4.95

Wilbert Carving Set. 9-inch blade of fine grade shear steel, carefully ground; selected stag handles; spring guard fork. Steel to match. Sterling silver ferrules, nickel silver caps. Shipping weight, 2 1/2 pounds.
6R7303—Price, per set.....\$4.85



Wilbert Medium Price Carving Set. Stag handles; nickel swaged ferrules, polished caps. 9-inch swaged blade, ground to a keen edge. Spring guard fork and steel to match. Shpg. wt., 2 1/2 lbs.
6R7304—Per set....\$3.55

Good Grade Carver. 9-inch carver, blade finely tempered and ground, stag handle, polished caps. Spring guard fork. Shipping weight, 15 ounces.
6R7310 Price, per set...\$1.90

Stag Handle Steel. Full length, 12 1/2 inches. Will put a keen edge on knife blades. Shipping weight, 10 ounces.
6R7311 Price.....70c

Good Grade Stag Handle Carver. 8-inch blade, finely tempered and ground. Fork has good heavy tines. Heavy sterling silver ferrules. Shipping wt., 1 lb.
6R7312 Price, per pair...\$2.95

Wilbert Stag Handle Three-Piece Carving Set. Knife has 9-inch blade, finely ground and tempered. Medium quality stag handles, fancy nickel silver bolsters, polished caps. Spring guard fork. Steel to match. An excellent set for the price. Shipping weight, 2 1/2 pounds.
6R7305—Per set....\$3.25



Cocobolo Handle Knives and Four-Tine Forks. Fancy double bolsters; scimitar blades. Shipping wt., 2 lbs. 3 oz.
6R7330 Price, per set, six knives and six forks...\$2.10

Cocobolo Handle Knives and Four-Tine Forks. Double bolstered, double cross pattern; scimitar blades. Shipping weight, 2 pounds 3 ounces.
6R7332 Price, per set, six knives and six forks....\$2.15

White Bone Handle Knives and Four-Tine Forks. Double fancy bolsters; scimitar blades. Shipping weight, 2 pounds 3 oz.
6R7380 Price, per set, six knives and six forks....\$2.75

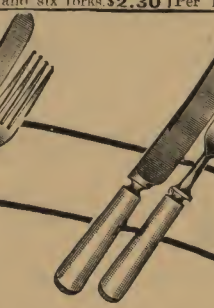
Imitation Stag Handle Double Bolster Knives and Four-Tine Forks. Scimitar blades. Shipping wt., 2 lbs. 3 oz.
6R7355—Price, per set, six knives and six forks.....\$2.50
Knives only. Shipping weight, 1 pound 3 ounces.
6R7357—Price, per half dozen.....\$1.40

Double Ring Pattern Knives and Forks. Scimitar blades, white bone handles. Nicely finished. Shipping wt., 2 lbs. 3 oz.
6R7344—Price, per set, six knives and six forks.....\$2.65
Knives only. Shipping weight, 1 pound 3 ounces.
6R7345—Price, per half dozen.....\$1.50

Fancy Pattern Knives and Four-Tine Forks. Double bolstered, two brass rivets, scimitar blades. Handle of polished dark wood resembling ebony. Shipping wt., 2 lbs. 3 oz.
6R7379 Per set, six knives and six forks...\$2.30

Cocobolo Handle Knives and Forks. No bolster. Shipping weight, 1 1/2 pounds.
6R7322 Per set, six knives and six forks...98c
Knives only. Shipping weight, 1 1/2 pounds.
6R7323 Per half dozen, 58c

Popular Design Cocobolo Handle Knives and Forks. Long, slim and tapered. Cross pattern bolsters with candle shaped ends. Scimitar steel blades. Shipping wt., 2 lbs.
6R7328 Per set of six knives and six forks...\$2.20



Double Ring Pattern Knives and Forks. Cocobolo handles. Shipping weight, 2 pounds 3 oz.
6R7340—Price, per set, six knives and six forks.....\$1.90
Knives only. Shipping weight, 1 pound 3 oz.
6R7341—Price, per half dozen.....\$1.15

Children's Set. One knife and one fork. Double fancy bolsters, scimitar blades, finely finished cocobolo handles. Shipping weight, 5 ounces.
6R7368—Per set.....42c
Children's Set. One knife and one fork. Same pattern as above, with white bone handles. Shipping weight, 5 ounces.
6R7369—Per set.....47c

Tinned Steel Knives and Forks. Made from steel and coated with pure tin to prevent rust. We do not break sets. Shipping weight, 1 1/2 pounds.
6R7363 Price, per set, six knives and six forks.....75c

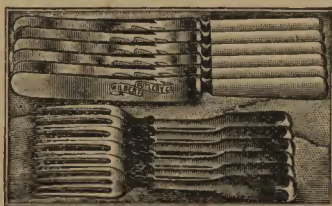
Steak Knives and Forks. One-piece all steel knives with nickel plated handles. Four-tine forks, all steel and nickel plated. A very practical set, the knives possessing a sharp, highly tempered cutting edge. Shipping weight, 2 1/4 pounds.
6R7358 Price, per set, six knives and six forks.....\$1.95

Solid White Celluloid Handle Knives With Four-Tine Forks. Will not crack or warp. Nicely finished scimitar blades. Shipping weight, 2 1/4 pounds.
6R7359—Price, per set, six knives and six forks...\$5.60
White Celluloid Handle Knives only, same as described above. Shipping wt., 1 1/2 lbs.
6R7360—Price, per half dozen.....\$2.85

Cocobolo Handle Knives and Forks. Single bolster. Shipping weight, 2 pounds.
6R7325—Price, per set, six knives and six forks.....\$1.50
Knives only. Shipping weight, 1 lb. 3 oz.
6R7326—Price, per half dozen.....80c

Combination Steel Blade Knives and Nickel Silver Forks.

Knives are made of steel, finely tempered and ground, with scimitar blades. Fitted with celluloid handles. Forks are four-tine, nickel silver, neat and convenient to handle. Shipping weight, 1 3/4 pounds.
6R7382—Price, per set, six knives and six forks.....\$3.75



Tinned Steel Table Knives and Forks.

Put up in cardboard case, as illustrated. Handles of forks are finished same as knives, making a very desirable set. A substantial article at a low price and one that will give good service. We do not break sets. Shipping weight, 2 pounds 3 ounces.
6R7387—Price, per set, six knives and six forks.....\$1.15

Butcher Supplies

For Trade And Household Use

The Genuine Diamond "A" Butcher Knives.

These knives are made specially for the butcher trade where a knife is required to be not only of good material, but also of just the right shape and proper balance to do good work. Every Diamond "A" Knife

is ground by experienced workmen and honed to a keen edge. They are inspected before leaving the factory and are guaranteed to give satisfaction and to be of a very good quality.



Genuine Diamond "A" Butcher Knife. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7450	6 inches	7 ounces	\$0.29
6R7452	7 inches	8 ounces	.37
6R7454	8 inches	9 ounces	.45
6R7456	9 inches	10 ounces	.56
6R7458	10 inches	11 ounces	.78
6R7460	12 inches	12 ounces	1.10



Diamond "A" Market Cleaver. Walnut handle.

	Length, Blade	Shipping Weight	Price
6R7560	7 inches	3 pounds	\$1.33
6R7562	8 inches	3½ pounds	2.20
6R7564	9 inches	4 pounds	2.50
6R7566	10 inches	5 pounds	2.65



Genuine Diamond "A" Sticking Knife. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7466	6 inches	7 ounces	32c
6R7468	7 inches	8 ounces	38c



Genuine Diamond "A" Skinning Knife. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7462	6 inches	7 ounces	35c
6R7464	6½ inches	8 ounces	40c



Genuine Diamond "A" Steak Knife. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7476	10 inches	11 ounces	\$0.85
6R7478	12 inches	12 ounces	1.00
6R7480	14 inches	1½ pounds	1.45



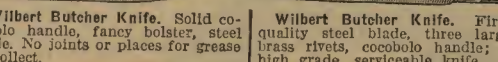
Genuine Diamond "A" Boning Knife. Beechwood handle. Length of blade, 6 inches. Shipping weight, 7 ounces.

	Price
6R7472—Price	33c



Wilbert Butcher Knife. Ground and finished by hand. Cocobolo handle.

	Length, Blade	Shipping Weight	Price
6R7443	6 inches	7 ounces	50c
6R7445	7 inches	8 ounces	60c
6R7447	8 inches	9 ounces	69c



Wilbert Butcher Knife. First quality steel blade, three large brass rivets, cocobolo handle, a high grade, serviceable knife.

	Length, Blade	Shipping Weight	Price
6R7430	6 inches	7 ounces	36c
6R7431	7 inches	8 ounces	45c
6R7432	8 inches	9 ounces	54c



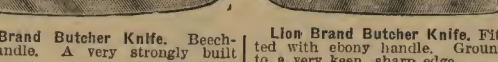
Wilbert Luncheon Knife. Carver, butcher and bread knife combined in one. Finely finished blade, cocobolo handle with brass shield. Length of blade, 6½ inches. Shipping weight, about 9 ounces.

	Price
6R7440	45c



Butcher Knife. Represents a strong, well finished, low priced knife.

	Length, Blade	Shipping Weight	Price
6R7422	6 inches	7 ounces	20c
6R7424	8 inches	9 ounces	30c
6R7426	10 inches	11 ounces	46c



Lion Brand Butcher Knife. Beechwood handle. A very strongly built knife.

	Length, Blade	Shipping Weight	Price
6R7408	6 inches	7 ounces	37c
6R7410	7 inches	8 ounces	41c
6R7411	8 inches	9 ounces	49c



Wilbert Crackjack Slicer, or general household knife. Cocobolo handle, three large head brass rivets, single bolster, clip point, quality steel blade. Length of blade, 9½ inches. Shipping weight, 8 ounces.

	Price
6R7420	55c



Lion Brand Sticking Knife. Beechwood handle. A very keen, sharp knife.

	Length, Blade	Shipping Weight	Price
6R7413	6 inches	6 ounces	35c
6R7415	6½ inches	7 ounces	42c

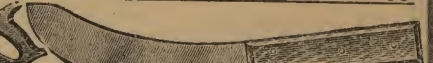


Beef Splitting Saw. Steel frame, wood handles. Weight, about 6 pounds, 32-inch blade. 2 inches wide. Shipping weight, 7½ pounds.

	Price
6R7550—Price	\$4.60

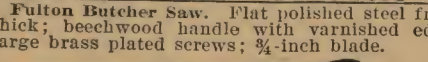
Extra Blade, 32x2 inches. Weight, 10 ounces. Shipping weight, 12 ounces.

	Price
6R7552—Price	82c



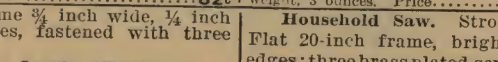
Lion Brand Skinning Knife. Beechwood handle. Well tempered and possesses excellent cutting qualities.

	Length, Blade	Shipping Weight	Price
6R7418	6 inches	7 ounces	39c
6R7419	7 inches	8 ounces	51c



Fulton Butcher Saw. Flat polished steel frame ¾ inch wide, ¼ inch thick; beechwood handle with varnished edges, fastened with three large brass plated screws; ¾-inch blade.

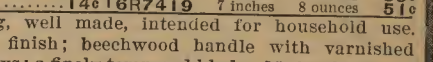
	Length, Blade	Shipping Weight	Price
6R7502	18 in.	2½ lbs.	\$1.15
6R7504	20 in.	2½ lbs.	1.25
6R7506	22 in.	2½ lbs.	1.50
6R7508	24 in.	2½ lbs.	1.60



Boss Kitchen Saw. Flat steel frame, beechwood handle and attachment for tightening blade. Blade, 14 inches; width, ¾ inch. Weight, 13 ounces. Shipping weight, 1 pound.

	Price
6R7556—Price, with one blade	63c

6R7558—Extra Blade for above. Shipping weight, 3 ounces. Price



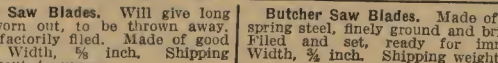
Household Saw. Strong, well made, intended for household use. Flat 20-inch frame, bright finish; beechwood handle with varnished edges; three brass plated screws; a finely tempered blade. Made of durable material and is guaranteed to give satisfaction. Size, 20-inch only. Weight, 1½ lbs. Shipping weight, 2¼ pounds.

	Price
6R7500	\$1.17



Star Butcher Saw Blades. Will give long wear. When worn out, to be thrown away. Cannot be satisfactorily filed. Made of good quality steel. Width, ¾ inch. Shipping weight, each, about 4 ounces.

	Length	Price, Each	Price, per Dozen
6R7540	18 inches	15c	\$1.60
6R7542	20 inches	16c	1.70
6R7544	22 inches	17c	1.85
6R7546	24 inches	18c	1.95
6R7548	26 inches	19c	2.05



Butcher Saw Blades. Made of good quality spring steel, finely ground and bright polished. Filled and set, ready for immediate use. Width, ¾ inch. Shipping weight, each, 5 oz.

	Length	Price, Each	Price, per Dozen
6R7528	18 inches	16c	\$1.70
6R7530	20 inches	17c	1.80
6R7532	22 inches	18c	1.90
6R7534	24 inches	19c	2.00
6R7536	26 inches	20c	2.10



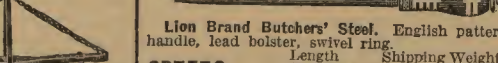
Kelso Butchers' Saw. Steel frame, 1 inch wide, ¾ inch thick, fitted with polished beechwood handle, fastened by three large nickel plated screws. All come fitted with ¾-inch spring steel butcher saw blades.

	Length, Blade	Shipping Weight	Price
6R7514	18 in.	2½ lbs.	\$1.70
6R7516	20 in.	3 lbs.	1.80
6R7518	22 in.	3½ lbs.	1.90
6R7520	24 in.	3½ lbs.	1.95
6R7522	26 in.	3½ lbs.	2.10



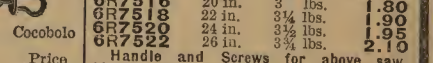
Double End Scraper for Hogs. Heavy gauge galvanized steel; hardwood handle. Shipping weight, 9 ounces.

	Price
6R7585—Price	10c



Lion Brand Butchers' Steel. English pattern. Cocobolo handle, lead bolster, swivel ring.

	Length	Shipping Weight	Price
6R7576	12 inches	1¼ pounds	\$1.25
6R7577	14 inches	1½ pounds	1.45



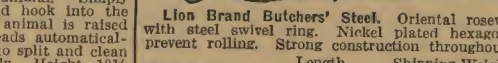
Lion Brand Butchers' Steel. Oriental rosewood handle with steel swivel ring. Nickel plated hexagon guard to prevent rolling. Strong construction throughout.

	Length	Shipping Weight	Price
6R7580	10 inches	1½ pounds	\$0.80
6R7581	12 inches	1½ pounds	.90
6R7582	14 inches	1½ pounds	1.10



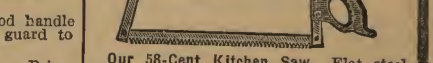
Hog Hook. Made from steel. Diameter, ¾ inch. Length of hook, 7¼ inches; length of handle, 9 inches. Weight, 12 ounces. Shipping weight, 1 pound.

	Price
6R7586—Price	30c



Self Spreading Gambrel. Made of iron, with adjustable hooks to hold any size animal. Simply fold together and hook into the tendons. When animal is raised the gambrel spreads automatically, enabling one to split and clean animal very easily. Height, 18½ inches; width, when folded, 18½ inches; width, when spread, 38½ inches. Shipping weight, 13 lbs.

	Price
6R7592—Price	\$2.25



Our 58-Cent Kitchen Saw. Flat steel frame. Good steel blade. Beechwood handle with two screws. Length, 16 inches. Weight, 13 ounces. Shipping weight, 1 lb.

	Price
6R7554—Price	58c

Our New Lighting Fixture Catalog

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THE lighting is a most important feature of a well appointed home. Our new Lighting Fixture Catalog illustrates a comprehensive line of Lighting Fixtures, embodying the latest ideas in modern illumination. It also contains a complete selection of standard electrical house wiring materials, lighting glassware and portable lamps. It will pay you to send for this catalog. Quality should be considered when buying lighting fixtures. Quality is the foundation of our line, and our liberal guarantee protects you.

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Glassware

Have you been thinking of putting a new lighting fixture in your living room or dining room, something to replace the old one that's an eyesore to you? Or is the lighting of the bedroom bad, making it hard to see how to dress? Why not put that new fixture in right away?

Perhaps you have a house or an apartment to rent or sell. Why not make it more beautiful and valuable by installing attractive Lighting Fixtures? The increase in the rent or sale price will pay for the fixtures many times over.

Our electric fixtures are properly con-

structed and wired for use with either city current or any home lighting plant.

Our fixtures are shipped to you completely assembled, wired ready to hang, fitted with "NOTORCH" attachments, which enables you to install them without the use of a soldering torch or any tools other than a screwdriver.

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Shades
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Table Lamps
Tungsten
Lamps

Our fixtures are approved by the Underwriters' Laboratories, Inc., under the direction of the National Board of Fire Underwriters, and each and every fixture bears their stamp of approval in the form of a serial numbered label.



Our Famous Crystalline Bells

GUARANTEED FOR FIVE YEARS AGAINST BREAKAGE.
Celebrated for their volume of sound and for their loud, clear, round and sweet tone. These bells are cast from a special mixture of metal of high quality. Thousands of schools, churches and factories use our crystalline bells with perfect satisfaction.
We allow sixty days' trial on every Crystalline Bell we sell. During this period you can give it a thorough trial, compare it in tone, volume and quality with composition bells of any other make, and to you every cent you paid for it and freight charges.
We guarantee these bells for five years against breakage and should any part break through defect in material or workmanship, we will furnish a new part to replace the broken one, or, if necessary, an entire new bell without extra charge.
Our schoolhouse, factory and church bells are all of the same general design. Thirty-eight-inch and larger bells are mounted on roller bearings. These bearings enable one person to ring our largest bells with as great ease and regularity as ringing a small bell. Bells 24 inches and larger are fitted with our improved springs and clapper, which insures a full stroke of the clapper without the possibility of a second stroke. Iron rope wheels are furnished with 20 to 36-inch bells and sectional wood rope wheels with 38 to 48-inch bells. Tolling hammer is furnished with church bells.
Prices are for the bells complete with frame, wheel and wood sills. Shipped from factory in CENTRAL OHIO.



Illustration Shows a School and Factory Bell.

Diameter, Wt., Inches Lbs.	Price
32R2800 20 185	\$3.65
32R2801 22 205	10.37
32R2802 24 250	13.55
32R2803 26 350	19.27
32R2804 28 450	25.67
32R2805 30 555	30.21

Illustration Shows a School or Factory Bell.

Diameter, Wt., Inches Lbs.	Price
32R2806 32 630	\$34.90
32R2807 34 745	41.78
32R2808 36 930	49.75
32R2809 38 985	58.00
32R2810 40 1275	68.12

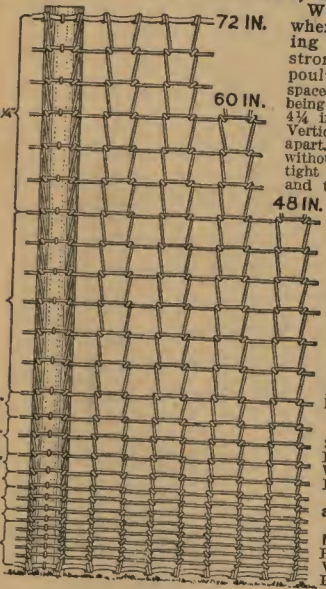
Diameter, Wt., Inches Lbs.	Price
32R2822 24 260	\$15.75
32R2823 26 365	21.50
32R2824 28 465	28.60
32R2825 30 570	33.55
32R2826 32 610	37.85
32R2827 34 765	44.70

Diameter, Wt., Inches Lbs.	Price
32R2828 36 950	\$53.25
32R2829 38 1,010	62.15
32R2830 40 1,300	71.65
32R2832 44 1,790	95.75
32R2834 48 2,280	121.50

Illustration Shows a Church Bell.

X-L-ALL Poultry and Rabbit Netting.

Shipped from our fencing factory at KNIGHTSTOWN, IND., or from our warehouse at KANSAS CITY, MO.



We recommend this netting for all purposes where a fabric lighter than regular field fencing will serve the purpose, yet something stronger and more durable than ordinary poultry netting is desired. It is closely spaced at bottom, the spaces between line wires being graduated from 1 1/2 inches at the bottom to 4 1/2 inches at the top, as shown in the illustration. Vertical stay wires are spaced about 4 1/2 inches apart. This netting can be stretched between posts without any top or bottom rail, and makes a stiff, tight fence. The heavy top and bottom line wires and the interlocked stay wires hold up the fabric and prevent sagging. This netting is made in two weights.

The standard grade is for poultry yards only. The top and bottom line wires are No. 14, and the intermediate line wires and the vertical stay wires are No. 18 hard galvanized steel wire.

The heavy grade is heavy enough to use for a light fencing around gardens and orchards, but is lighter than our X-L-ALL Poultry and Farm Fencing listed in our Big Catalog, and is not intended to serve as regular farm fencing. The top and bottom line wires of the heavy grade are No. 14, and the intermediate line wires and vertical stay wires are No. 16 hard galvanized steel wire.

Sold only in 10-rod bales.

32R5463—X-L-ALL Poultry Netting.

Standard grade.

Height, inches..... 48 60 72

Wt., per bale, 10 rods, 39 lbs. 44 lbs. 51 lbs.

Per bale, at Factory, \$3.79 \$4.31 \$4.83

Price, per bale, at Kansas City, Mo., 4.04 4.59 5.16

32R5464—X-L-ALL Poultry and Rabbit Netting, Heavy grade.

Height, inches..... 48 60 72

Wt., per bale, 10 rods, 62 lbs. 72 lbs. 83 lbs.

Per bale, at Factory, \$5.12 \$5.91 \$6.70

Price, per bale, at Kansas City, Mo., 5.52 6.37 7.23

Diamond Mesh Poultry Netting.

This netting is woven from genuine Bessemer hard steel wire which is "galvanized before weaving."

Our poultry netting is put up in rolls containing 150 feet. We do not sell less than full rolls. Shipped from our CHICAGO store.

32R5452—Diamond Mesh Poultry Netting, with 2-inch mesh, made from No. 19 wire. The standard size mesh most generally used.

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
12	12	\$1.37
18	16	1.94
24	22	2.47
30	27	2.95
36	32	3.40

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
42	37	\$3.94
48	43	4.49
54	48	5.04
60	52	5.61
66	57	6.17
72	63	6.75

32R5453—Diamond Mesh Poultry Netting, with 1 1/2-inch mesh, made from No. 19 wire. Suitable for poultry yards, pigeon cotes, etc.

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
12	12	\$1.96
18	18	2.83
24	24	3.60
30	30	4.20
36	36	4.90

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
42	50	\$5.72
48	58	6.54
54	64	7.38
60	69	8.17
66	74	8.90
72	82	

32R5454—Diamond Mesh Poultry Netting, with 1-inch mesh, made from No. 20 wire. Desirable for use at the bottom of fences to keep small chicks inside, and to prevent pests from intruding.

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
12	12	\$2.71
18	18	3.87
24	24	4.95
30	30	5.90

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
36	47	\$7.35
42	53	8.58
48	60	9.87

Quick Cut Grindstone

ANTI-FRICTION BALL BEARINGS



Angle Steel Frame. \$4.90

Safe Delivery and Complete Satisfaction Guaranteed.

Our grindstones cut fast, are well made and will give years of satisfactory service. High quality free cutting stone. Frame is rigid and stands solid when in use. Ball bearings insure easy and steady running. Complete with water can, as illustrated. Shipping weight, about 10 pounds.

99R1190—Our price.....\$4.90

Berea Unmounted Grindstones. \$1.35

Quick cutting, well finished grindstones. Will not glaze. State size wanted.

No.	Diam., In.	Shpg. Wt., Lbs.	Price
1	16	40	\$0.90
2	18	50	1.10
3	20	60	1.35
4	22	80	1.80
5	24	100	2.25
6	26	120	2.70
7	28	150	3.40
8	29	175	3.95

Ball Bearing Grindstone Fixture. \$1.05

For Mounting Grindstone on Wood Frame. Support stones from 2 to 2 1/2 inches thick. Furnished complete, as illustrated, with screws for attaching. Weight, about 6 pounds.



95726—Price.....\$1.05

Roller Bearing Grindstone Fixture.



Adjustable for different thickness stones. With screws for attaching. Give length.

Length, inches.	15	17	19	21
For stone, lbs.....	40	60	80	100
Weight, about, lbs.....	6	6	6	7
Price, per set.....	65c	75c	85c	95c

Our Wizard Tubular Frame Grindstone.

Our Price, \$6.95



Guaranteed to give complete satisfaction.

Shpg. wt., about 115 pounds.

A grindstone of extra quality at a price that means a substantial saving. The Wizard is well made, easy running, carefully fitted and well finished throughout.

DESCRIPTION.
Heavy Tubular Steel Frame. Large Size Extra Quality Free Cutting Stone. Four Genuine Bronze Bearings. Two Brass Oil Cups. Adjustable Seat With Guard. Large Water Can.

99R1191—Price.....\$6.95

EXPRESS RATES

Tables showing the Express Rates per 100 pounds on goods shipped from Chicago to a number of cities in each state, these cities being used as a basis for figuring rates for all the towns in the immediate vicinity of each city.

Your express agent will tell you the exact rates from Chicago to your home town and give you full information in reference to their delivery service. If there is no express agent at your shipping point you must send money to prepay express charges. If there is an agent you can pay the express charges when shipment reaches you. It is necessary to prepay only when there is no agent at your station.

HOW TO FIGURE EXPRESS CHARGES

First estimate the weight of goods you are ordering; then find the rate per 100 pounds by express to your nearest city in the Table of Rates below; then consult the Scale of Express Charges, following the line for the weight of your goods to the column headed by your express rate per 100 pounds, and the amount shown will be the express charges.

If the exact rate per 100 pounds to your town is not shown in any of the headings of this scale, take the rate shown for the town nearest you and the express charges will be about the same as to your town. The table of Express Rates also shows the parcel post zone of the various cities named below, enabling you to make an approximate comparison between the express charges and the parcel post charges to the zone in which you live. For Parcel Post Rates see page 693.

EXPRESS RATES PER 100 POUNDS TO CITIES IN EACH STATE.

From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.
ALABAMA—			GEORGIA—			MARYLAND—			NEW JERSEY—			SOUTH DAKOTA—		
Birmingham.....	4	\$2.80	Atlanta.....	4	\$3.02	Baltimore.....	4	\$2.64	Atlantic City.....	5	\$2.80	Aberdeen.....	4	\$3.63
Brewton.....	5	3.30	Macon.....	5	3.30	MASSACHUSETTS—			Trenton.....	5	2.80	Bellefourche.....	5	4.34
Mobile.....	5	3.41	Savannah.....	5	3.68	Boston.....	5	2.91	NEW MEXICO—			Sioux Falls.....	4	2.86
Montgomery.....	5	3.02	Waycross.....	5	3.63	MICHIGAN—			Gallup.....	6	7.04	Watertown.....	4	3.19
ARIZONA—			IDAHO—			Bessemer.....	4	2.64	Santa Fe.....	6	5.39	TENNESSEE—		
Phoenix.....	7	8.96	Pocatello.....	7	8.80	Detroit.....	3	1.54	Silver City.....	6	7.31	Jackson.....	4	2.31
Tucson.....	6	8.03	ILLINOIS—			Grand Rapids.....	2	1.26	NEW YORK—			Knoxville.....	4	2.80
ARKANSAS—			Chicago.....	1	1.81	Traverse City.....	3	1.92	Albany.....	5	2.69	Memphis.....	4	2.47
Arkansas City.....	4	2.91	Joliet.....	1	1.82	MINNESOTA—			Buffalo.....	5	2.14	Nashville.....	4	2.09
Fort Smith.....	4	3.35	Rock Island.....	2	1.26	Atkins.....	4	3.08	New York.....	4	2.14	TEXAS—		
Hot Springs.....	4	3.35	Springfield.....	3	1.43	Duluth.....	4	2.80	Syracuse.....	4	2.86	El Paso.....	6	6.71
Little Rock.....	4	3.08	INDIANA—			Grand Rapids.....	4	3.19	Asheville.....	4	3.02	Fort Worth.....	5	4.40
Texarkana.....	5	3.63	Evansville.....	3	1.54	Minneapolis.....	4	2.36	Raleigh.....	5	3.41	Houston.....	5	4.67
CALIFORNIA—			Fort Wayne.....	2	1.26	Winona.....	3	2.03	Wilmington.....	5	3.68	Marysville.....	6	8.19
Bakersfield.....	7	9.85	Richmond.....	2	1.54	MISSISSIPPI—			NORTH DAKOTA—			Salt Lake City.....	6	7.42
Los Angeles.....	7	9.85	South Bend.....	2	.99	Birmingham.....	5	3.19	Bismarck.....	5	4.18	VERMONT—		
San Francisco.....	8	10.39	IOWA—			Jackson.....	5	3.08	Fargo.....	4	3.35	Montpelier.....	5	2.91
COLORADO—			Des Moines.....	3	2.14	Natchez.....	5	3.95	Grand Forks.....	5	3.74	VIRGINIA—		
Denver.....	5	4.78	Port Dodge.....	4	2.31	MISSOURI—			Minot.....	5	4.34	Marion.....	4	2.86
Durango.....	6	6.65	Sioux City.....	4	2.86	Kansas City.....	4	2.47	Williston.....	5	4.67	Richmond.....	4	3.02
Grand Junction.....	6	6.21	KANSAS—			St. Louis.....	3	1.70	OHIO—			Rocky Mount.....	4	3.02
Julesburg.....	5	4.23	Dodge City.....	5	4.07	Springfield.....	4	2.64	Cincinnati.....	3	1.54	WASHINGTON—		
Leadville.....	5	5.66	Great Bend.....	5	3.63	MONTANA—			Buffalo.....	3	1.81	Seattle.....	7	9.62
CONNECTICUT—			Kansas City.....	4	2.47	Billings.....	6	6.10	Toledo.....	3	1.43	Spokane.....	7	8.69
Hartford.....	5	2.97	Topeka.....	4	2.64	Glasgow.....	6	6.10	OKLAHOMA—			WEST VIRGINIA—		
DELAWARE—			Wichita.....	4	3.63	Havre.....	6	6.27	Oklahoma City.....	5	3.96	Charleston.....	4	2.20
Dover.....	5	2.69	KENTUCKY—			Helena.....	6	7.37	OREGON—			Elkins.....	4	2.53
DISTRICT OF COLUMBIA—			Frankfort.....	3	1.70	Kaliispell.....	6	6.10	Portland.....	7	9.95	Wheeling.....	4	1.92
Washington.....	4	2.64	Hopkinsville.....	3	1.92	Nebraska City.....	5	5.33	PENNSYLVANIA—			WISCONSIN—		
FLORIDA—			Louisville.....	3	1.54	NEBRASKA—			Harrisburg.....	4	2.53	Ashland.....	4	2.64
Jacksonville.....	5	3.96	Morehead.....	4	1.92	Lincoln.....	4	2.86	Philadelphia.....	5	2.64	La Crosse.....	3	1.65
Miami.....	6	5.17	LOUISIANA—			Lincoln Plateau.....	5	3.90	Pittsburgh.....	4	2.03	Madison.....	2	1.43
Pensacola.....	5	3.57	Lake Charles.....	5	3.96	NEVADA—			RHODE ISLAND—			Marquette.....	3	2.09
Tallahassee.....	5	3.68	New Orleans.....	5	3.57	Austin.....	7	9.13	Providence.....	5	2.97	Milwaukee.....	2	1.15
Tampa.....	5	4.56	Shreveport.....	5	3.74	Carson City.....	7	9.68	SOUTH CAROLINA—			WYOMING—		
			MAINE—			NEW HAMPSHIRE—			Charleston.....	5	3.90	Cheyenne.....	5	4.73
			Bangor.....	5	3.41	Concord.....	5	2.97	Greenville.....	4	3.41	Green River.....	6	6.54
									Sumter.....	5	3.68	Lander.....	6	6.05
												Sheridan.....	5	5.33

SCALE OF EXPRESS CHARGES BASED ON THE RATE PER 100 POUNDS.

Rate per 100 lbs....	\$0.82	\$0.99	\$1.15	\$1.26	\$1.43	\$1.54	\$1.65	\$1.70	\$1.81	\$1.92	\$1.98	\$2.03	\$2.09	\$2.14	\$2.20							
CHARGES ON																						
Package of 1 lb....	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.30	.30	.30	.30	.30							
Package of 2 lbs....	.29	.29	.30	.30	.30	.30	.30	.31	.31	.31	.31	.31	.31	.31	.31							
Package of 5 lbs....	.30	.31	.32	.32	.33	.34	.34	.34	.35	.35	.36	.36	.36	.36	.37							
Package of 10 lbs...	.33	.34	.36	.37	.38	.40	.41	.42	.43	.44	.44	.45	.45	.46	.46							
Package of 15 lbs...	.35	.38	.41	.42	.45	.46	.48	.48	.51	.52	.53	.54	.55	.55	.56							
Package of 20 lbs...	.38	.42	.45	.47	.51	.53	.55	.56	.58	.60	.62	.63	.64	.65	.66							
Package of 25 lbs...	.41	.45	.49	.52	.56	.59	.62	.63	.66	.68	.70	.71	.73	.74	.76							
Package of 30 lbs...	.44	.48	.54	.57	.62	.65	.68	.70	.74	.77	.78	.80	.81	.84	.85							
Package of 35 lbs...	.46	.53	.58	.62	.68	.71	.76	.77	.81	.85	.87	.89	.91	.92	.95							
Package of 40 lbs...	.49	.56	.63	.67	.74	.78	.82	.85	.89	.93	.96	.98	1.00	1.02	1.04							
Package of 45 lbs...	.52	.59	.67	.71	.79	.85	.89	.91	.97	1.01	1.04	1.07	1.09	1.11	1.14							
Rate per 100 lbs....	\$2.31	\$2.36	\$2.47	\$2.53	\$2.58	\$2.64	\$2.69	\$2.80	\$2.86	\$2.91	\$2.97	\$3.02	\$3.08	\$3.19	\$3.24	\$3.30	\$3.35	\$3.41	\$3.52	\$3.57	\$3.63	\$3.68
CHARGES ON																						
Package of 1 lb....	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.31	.31	.31	.31	.31	.31	.31	.31	.31	.31	.31
Package of 2 lbs...	.32	.32	.32	.32	.32	.32	.32	.33	.33	.33	.33	.33	.33	.33	.34	.34	.34	.34	.34	.34	.34	.34
Package of 5 lbs...	.37	.37	.38	.38	.38	.40	.40	.41	.41	.41	.42	.42	.42	.43	.43	.44	.44	.44	.44	.44	.44	.44
Package of 10 lbs...	.47	.48	.49	.49	.51	.51	.52	.53	.53	.54	.54	.55	.55	.56	.57	.57	.58	.58	.59	.60	.60	.62
Package of 15 lbs...	.58	.58	.60	.62	.62	.63	.64	.65	.66	.67	.68	.69	.71	.71	.73	.74	.75	.76	.77	.78	.78	.78
Package of 20 lbs...	.68	.69	.71	.73	.74	.75	.76	.78	.79	.80	.81	.82	.84	.86	.87	.88	.89	.90	.92	.93	.95	.96
Package of 25 lbs...	.78	.79	.82	.84	.85	.87	.88	.90	.92	.93	.95	.96	.98	1.00	1.01	1.03	1.04	1.06	1.09	1.10	1.11	1.12
Package of 30 lbs...	.88	.90	.93	.95	.97	.98	1.00	1.03	1.04	1.07	1.08	1.10	1.11	1.14	1.17	1.18	1.20	1.21	1.24	1.26	1.28	1.30
Package of 35 lbs...	.99	1.00	1.04	1.07	1.08	1.10	1.12	1.15	1.18	1.20	1.22	1.23	1.25	1.30	1.31	1.33	1.35	1.37	1.41	1.43	1.45	1.46
Package of 40 lbs...	1.09	1.11	1.15	1.18	1.20	1.22	1.24	1.29	1.31	1.33	1.35	1.37	1.40	1.44	1.46	1.48	1.51	1.53	1.57	1.59	1.62	1.64
Package of 45 lbs...	1.19	1.21	1.26	1.29	1.31	1.34	1.36	1.41	1.44	1.46	1.48	1.51	1.54	1.58	1.61	1.64	1.66	1.68	1.74	1.76	1.78	1.80
Rate per 100 lbs....	\$3.74	\$3.90	\$3.96	\$4.01	\$4.07	\$4.18	\$4.23	\$4.34	\$4.40	\$4.56	\$4.67	\$4.73	\$4.78	\$5.17	\$5.33	\$5.39	\$5.66	\$6.05	\$6.10	\$6.21	\$6.27	
CHARGES ON																						
Package of 1 lb....	.31	.31	.31	.31	.31	.32	.32	.32	.32	.32	.32	.32	.32	.32	.33	.33	.33	.33	.33	.33	.33	.33
Package of 2 lbs...	.34	.35	.35	.35	.35	.35	.35	.35	.36	.36	.36	.36	.36	.37	.37	.37	.38	.38	.40	.40	.40	.40
Package of 5 lbs...	.45	.45	.46	.46	.46	.47	.47	.47	.48	.48	.49	.49	.52	.53	.53	.54	.56	.56	.57	.57	.57	.57
Package of 10 lbs...	.62	.64	.64	.65	.65	.66	.67	.68	.68	.70	.71	.71	.73	.76	.78	.78	.81	.85	.86	.87	.87	.87
Package of 15 lbs...	.79	.81	.82	.84	.85	.86	.87	.88	.89	.91	.93	.95	.96	1.01	1.03	1.04	1.08	1.14	1.14	1.17	1.18	1.18
Package of 20 lbs...	.97	1.00	1.01	1.02	1.03	1.06	1.07	1.09	1.10	1.13	1.15	1.17	1.18	1.25	1.29	1.30	1.35	1.43	1.44	1.46	1.47	1.47
Package of 25 lbs...	1.14	1.18	1.20	1.21	1.22	1.25	1.26	1.29	1.31	1.34	1.37	1.39	1.40	1.50	1.54	1.55	1.62	1.72	1.73	1.76	1.77	1.77
Package of 30 lbs...	1.31	1.36	1.31	1.40	1.41	1.44	1.46	1.50	1.51	1.56	1.59	1.61	1.63	1.74	1.79	1.80	1.89	2.00	2.02	2.06	2.07	2.08
Package of 35 lbs...	1.48	1.54	1.56	1.58	1.61	1.64	1.66	1.69	1.72	1.77	1.81	1.84	1.85	1.99	2.05	2.07	2.16	2.30	2.31	2.35	2.38	2.38
Package of 40 lbs...	1.66	1.73	1.75	1.77	1.79	1.84	1.86	1.90	1.92	1.99	2.03	2.06	2.08	2.23	2.30	2.32	2.43	2.58	2.61	2.65	2.67	2.67
Package of 45 lbs...	1.84	1.90	1.94	1.96	1.98	2.03	2.06	2.10	2.13	2.20	2.25	2.28	2.30	2.47	2.55	2.57	2.69	2.87	2.89	2.95	2.97	2.97
Rate per 100 lbs....	\$6.54	\$6.65	\$6.71	\$7.04	\$7.31	\$7.37	\$7.42	\$7.64	\$7.86	\$8.03	\$8.19	\$8.69	\$8.80	\$8.96	\$9.13	\$9.62	\$9.68	\$9.90	\$9.95	\$10.39		
CHARGES ON																						
Package of 1 lb....	.34	.34	.34	.34	.34	.34	.34	.35	.35	.35	.35	.36	.36	.36	.36	.36	.36	.37	.37	.37	.37	.37
Package of 2 lbs...	.40	.41	.41	.41	.42	.42	.42	.42	.43	.43	.43	.44	.44	.45	.45	.46	.46	.46	.47	.47	.47	.47
Package of 5 lbs...	.58	.59	.59	.62	.63	.63	.63	.64	.65	.66	.67	.69	.70	.70	.71	.74	.75	.76	.76	.76	.76	.78
Package of 10 lbs...	.90	.91	.91	.95	.98	.98	.99	1.01	1.03	1.04	1.07	1.11	1.12	1.14	1.15	1.21	1.21	1.23	1.24	1.29	1.29	1.29
Package of 15 lbs...	1.21	1.23	1.24	1.29	1.33	1.34	1.34	1.37	1.41	1.44	1.46	1.54	1.55	1.57	1.61	1.67	1.68	1.72	1.73	1.79	1.79	1.79
Package of 20 lbs...	1.53	1.55	1.56	1.63	1.68	1.69	1.70	1.75	1.79	1.83	1.86	1.96	1.98	2.01	2.05	2.14	2.16	2.20	2.21	2.30	2.30	2.30
Package of 25 lbs...	1.84	1.87	1.88	1.97	2.03	2.05	2.06	2.11	2.17	2.21	2.25	2.38	2.41	2.44	2.49	2.61	2.63	2.68	2.69	2.80	2.80	2.80
Package of 30 lbs...	2.16	2.19	2.20	2.30	2.39	2.40	2.42	2.49	2.55	2.60	2.65	2.79	2.83	2.88	2.93	3.08	3.09	3.16	3.18	3.31	3.31	3.31
Package of 35 lbs...	2.46	2.51	2.53	2.64	2.74	2.76	2.77	2.85	2.93	2.99	3.05	3.22	3.26	3.31	3.38	3.54	3.56	3.64	3.66	3.86	3.86	3.86
Package of 40 lbs...	2.78	2.83	2.85	2.98	3.09	3.11	3.13	3.22	3.31	3.38	3.44	3.64	3.68	3.75	3.82	4.01	4.04	4.12	4.15	4.32	4.32	4.32
Package of 45 lbs...	3.09	3.15	3.17	3.32	3.44	3.46	3.49	3.59	3.68	3.76	3.84	4.06	4.11	4.18	4.26	4.48	4.51	4.61	4.63	4.88	4.88	4.88

FREIGHT RATES

Table showing the freight rates per 100 pounds on goods shipped from Chicago to a number of cities in each state, these cities being used by the railroads as a basis for figuring rates for all the towns in the immediate vicinity of each city.

RAILROAD COMPANIES FIGURE FREIGHT RATES WITH THE LARGER CITIES IN EACH STATE AS A BASIS. All other towns located in the same part of the state as any one of these cities take practically the same rate or only a few cents per 100 pounds more or less than the rate to the larger city.

Please consult the following Table of Rates, considering it in connection with the classification of merchandise, and you will be able to determine easily, almost exactly, what the freight will amount to on any goods. If your station is not named in this table, the rate to your station will be very nearly the same as the rate to the nearest city named, or you may ask your freight agent.

CLASSIFICATION OF MERCHANDISE FOR FREIGHT SHIPMENTS.

You will notice in the Freight Table below there are four different rates quoted to each city, first class, second class, third class and fourth class. This is because the railroad companies base their rates on the kind of merchandise to be carried. In order, therefore, to give you an idea as to the rate which any kind of merchandise will take to your nearest city, we tell you here the kind of merchandise which takes the different classes of rates.

FOUR TIMES FIRST CLASS	FIRST CLASS	FIRST CLASS
Row Boats (East and South)	Ammunition (South)	Graphophones
Drums (musical)	Automobile Repairs	Harness and Saddlery
Reed Chairs (East and West)	Awings	Horse Clipping Machines
Row Boats (West)	Baby Carriages (South)	(South)
	Bathtubs	Incubators (West and South)
	Bob Sleds (East)	Ladders (West and South)
	Books	Lamps
	Boots and Shoes	Loaded Gun Shells (South)
	Brooders	Mattings
	Buggies (34-in. crates) (West and South)	Milk Cans (West and South)
	Buggies (54-in. crates) (East)	Morris Chairs
	Cameras (West)	Notions
	Dress Forms	Cameras (East and South)
	Reed Chairs (South)	Camera Supplies
	Road Carts	Carpets
	Sleds, Children's (West)	Chinaware (South)
		Cigars
		Clothing
		Concrete Block Machines (East)
		Couches
		Curtains
		Desks (West and South)
		Dressers (East and West)
		Drugs
		Dry Goods
		Electrical Goods
		Fire Arms
		Forges (West)
		Gasoline Engines (West)

HOW TO SAVE ON FREIGHT CHARGES. In having goods shipped by freight, it pays you to make up an order of 100 pounds or more, because railroad companies usually charge as much for a shipment weighing less than 100 pounds as they do for one weighing 100 pounds.

If there is no freight agent at your shipping point you must send money to prepay freight charges. If there is an agent you can pay the freight charges when shipment reaches you. It is necessary to prepay only when there is no agent at your station.

WHEN YOU LEAVE THE METHOD OF SHIPMENT TO US we always choose the cheapest method.

SECOND CLASS	THIRD CLASS	FOURTH CLASS
Wagon Wheels (East and West)	Stump Pullers (East R25)	Tools (East)
Ammunition (West and East)	Tools (East R26)	Vises (East R26)
Animal Traps	Windmills (East R25)	Wire Fencing (East R26)
Bedsteads	Refrigerators	Wire Fencing (East R26)
Bob Sleds (West)	Sewing Machines (South)	Arvils
Chinaware (East and West)	Tools (West and South)	Chick Feed and Scratch Feed
Concrete Block Machines (West)	Vacuum Cleaners	(West). See page 617.
Cream Separators	Vises (West and South)	Concrete Block Machines
Crockery (West)	Wagons, Children's (West)	(South)
Dressers (South)	Wall Paper	Crockery (South)
Extension Tables	Hand Washing Machines	Grindstones with Frames
Feed Troughs, Cast or Wrought	Woodenware	(South)
Iron	Wringers	Paints (West and South)
Forges (East and South)	Wheelbarrows	Poultry Food
Gasoline Engines (East)		Prepared Roofing (East R26)
Glassware (East R25)		Steel Roofing
Graniteware		Steel Sildings
Grindstones with Frames		Stock Food
(West)		Wagons, Farm (South)
Hardware (West and South)		Wagon Wheels (South)
Horse Clipping Machines		Wire, Plain or Barbed
(West and East)		
Incubators (East)		
Ladders (East)		
Linoleum		
Loaded Gun Shells (West and East)		

HERE ARE THE RATES PER 100 POUNDS TO DIFFERENT TOWNS IN EACH STATE.

From Chicago to	1st Class Freight, per 100 Pounds.	2d Class Freight, per 100 Pounds.	3d Class Freight, per 100 Pounds.	4th Class Freight, per 100 Pounds.	From Chicago to	1st Class Freight, per 100 Pounds.	2d Class Freight, per 100 Pounds.	3d Class Freight, per 100 Pounds.	4th Class Freight, per 100 Pounds.	From Chicago to	1st Class Freight, per 100 Pounds.	2d Class Freight, per 100 Pounds.	3d Class Freight, per 100 Pounds.	4th Class Freight, per 100 Pounds.
ALABAMA—					KENTUCKY—					NORTH DAKOTA—				
Birmingham	\$1.88	\$1.57	\$1.32	\$1.07	Frankfort	\$0.92	\$0.78	\$0.64	\$0.50	Blismarck	\$2.00	\$1.69	\$1.34	\$0.96
Brewton	2.06	1.70	1.40	1.16	Hopkinsville	1.00	.82	.69	.58	Fargo	1.47	1.24	.97	.68
Mobile	1.38	1.13	.94	.73	Louisville .....	.67	.57	.45	.34	Grand Forks	1.55	1.30	1.04	.73
Montgomery	1.87	1.64	1.40	1.10	Morehead	1.15	.96	.75	.56	Minot	2.19	1.87	1.50	1.09
ARIZONA—					LOUISIANA—					Williston	2.49	2.08	1.70	1.24
Phoenix	3.63	3.14	2.62	2.19	Lake Charles	1.95	1.65	1.34	1.15	OHIO—				
Tucson	3.63	3.14	2.62	2.19	New Orleans	1.38	1.13	.94	.73	Cincinnati .....	.64	.55	.43	.32
ARKANSAS—					Shreveport	1.82	1.53	1.25	1.07	Columbus .....	.67	.57	.45	.33
Arkansas City	1.50	1.27	.97	.74	MAINE—					Toledo .....	.61	.52	.41	.31
Fort Smith	1.63	1.39	1.09	.87	Bangor	1.22	1.07	.82	.58	OKLAHOMA—				
Hot Springs	1.94	1.65	1.32	1.02	MARYLAND—					Oklahoma City	1.88	1.62	1.34	1.09
Little Rock	1.50	1.27	.97	.74	Baltimore	1.09	.95	.72	.49	OREGON—				
Texarkana	1.84	1.59	1.35	1.20	MASSACHUSETTS—					Portland	4.25	3.69	3.07	2.59
CALIFORNIA—					Boston	1.22	1.07	.82	.58	PENNSYLVANIA—				
Bakersfield	4.25	3.69	3.07	2.59	MICHIGAN—					Harrisburg	1.09	.95	.72	.49
Los Angeles	4.25	3.69	3.07	2.59	Bessemer .....	.82	.69	.55	.35	Philadelphia	1.10	.97	.73	.50
San Francisco	4.25	3.69	3.07	2.59	Detroit .....	.63	.54	.43	.32	Pittsburgh .....	.78	.66	.52	.40
COLORADO—					Grand Rapids .....	.59	.50	.40	.30	RHODE ISLAND—				
Denver	2.25	1.82	1.38	1.07	Traverse City .....	.77	.66	.52	.39	Providence	1.22	1.07	.82	.58
Durango	4.00	3.38	2.69	2.01	MINNESOTA—					SOUTH CAROLINA—				
Grand Junction	3.32	2.79	2.32	1.87	Aitkin	1.16	.98	.78	.53	Charleston	1.83	1.55	1.37	1.20
Julesburg	2.10	1.76	1.34	1.07	Crookston	1.49	1.24	1.00	.68	Greenville	1.95	1.73	1.48	1.18
Leadville	3.32	2.79	2.32	1.87	Duluth .....	.82	.69	.55	.35	Sumter	1.98	1.73	1.48	1.18
CONNECTICUT—					Grand Rapids	1.23	1.03	.83	.55	SOUTH DAKOTA—				
Hartford	1.22	1.07	.82	.58	Minneapolis .....	.75	.63	.50	.32	Aberdeen	1.43	1.19	.84	.63
DELAWARE—					Winona .....	.63	.53	.42	.29	Bellefourche	2.43	2.03	1.69	1.38
Dover	1.13	.99	.75	.53	MISSISSIPPI—					Sioux Falls	1.04	.85	.59	.43
DIST. OF COLUMBIA—					Hattiesburg	1.62	1.37	1.17	.98	Watertown	1.20	1.03	.80	.57
Washington	1.09	.95	.72	.49	Jackson	1.58	1.33	1.13	.95	TENNESSEE—				
FLORIDA—					Natchez	1.38	1.13	.94	.73	Jackson	1.33	1.09	.89	.73
Jacksonville	1.83	1.55	1.37	1.20	MISSOURI—					Knoxville	1.59	1.37	1.14	.92
Miami	3.05	2.64	2.33	2.07	Kansas City	1.00	.82	.57	.40	Memphis	1.07	.82	.69	.54
Pensacola	1.38	1.13	.94	.73	St. Louis .....	.57	.47	.36	.29	Nashville	1.23	1.03	.82	.68
Tallahassee	2.48	2.14	1.84	1.49	Springfield	1.03	.90	.63	.47	TEXAS—				
Tampa	2.46	2.09	1.79	1.60	MONTANA—					El Paso	2.75	2.33	1.90	1.63
GEORGIA—					Billings	3.13	2.62	2.12	1.70	Fort Worth	2.09	1.77	1.45	1.33
Atlanta	1.98	1.70	1.44	1.17	Glasgow	2.82	2.40	1.94	1.48	Houston	2.09	1.77	1.45	1.33
Macon	1.98	1.70	1.44	1.17	Havre	3.13	2.68	2.18	1.70	UTAH—				
Savannah	1.83	1.55	1.37	1.20	Helena	3.32	2.83	2.32	1.87	Marysville	3.94	3.39	2.89	2.42
Waycross	2.33	2.00	1.77	1.47	Kalispell	3.44	2.94	2.42	1.97	Salt Lake City	3.32	2.79	2.32	1.87
IDAHO—					Miles City	2.82	2.40	1.94	1.48	VERMONT—				
Boise	3.52	3.02	2.50	2.07	NEBRASKA—					Montpelier	1.22	1.07	.82	.58
Pocatello	3.32	2.79	2.32	1.87	Lincoln	1.07	.88	.62	.45	VIRGINIA—				
ILLINOIS—					North Platte	1.95	1.63	1.24	.98	Marion	1.24	1.08	.82	.57
Cairo .....	.59	.48	.38	.30	Omaha	1.00	.82	.57	.40	Richmond	1.09	.95	.72	.49
Joliet .....	.27	.22	.18	.15	NEVADA—					Rocky Mount	1.49	1.25	.99	.74
Rock Island .....	.47	.38	.29	.24	Austin	4.57	4.10	3.62	3.02	WASHINGTON—				
Springfield .....	.49	.39	.30	.25	Carson City	3.94	3.46	2.93	2.51	Seattle	4.25	3.69	3.07	2.59
INDIANA—					NEW HAMPSHIRE—					Spokane	3.63	3.14	2.62	2.19
Evansville .....	.64	.55	.43	.32	Concord	1.22	1.07	.82	.58	WEST VIRGINIA—				
Fort Wayne .....	.51	.43	.34	.26	NEW JERSEY—					Charleston .....	.78	.66	.52	.39
Indianapolis .....	.57	.48	.38	.28	Atlantic City	1.19	1.05	.82	.59	Elkins .....	.90	.79	.60	.45
Richmond .....	.60	.51	.40	.30	Trenton	1.13	.99	.75	.53	Wheeling .....	.78	.66	.52	.39
South Bend .....	.42	.36	.28	.22	NEW MEXICO—					WISCONSIN—				
IOWA—					Gallup	3.63	3.14	2.62	2.19	Ashland .....	.82	.69	.55	.35
Des Moines .....	.75	.60	.45	.34	Santa Fe	2.75	2.33	1.88	1.57	La Crosse .....	.63	.53	.42	.29
Fort Dodge .....	.82	.65	.49	.37	Silver City	3.25	2.77	2.28	1.95	Madison .....	.49	.43	.33	.23
Sioux City	1.00	.82	.57	.40	NEW YORK—					Marinette .....	.54	.45	.37	.20
KANSAS—					Albany	1.08	.95	.72	.51	Milwaukee .....	.35	.32	.25	.19
Dodge City	2.03	1.74	1.35	1.04	Buffalo .....	.78	.66	.52	.39	WYOMING—				
Great Bend	1.82	1.53	1.19	.96	New York	1.13	.99	.75	.53	Cheyenne	2.25	1.82	1.38	1.07
Kansas City	1.00	.82	.57	.40	Syracuse .....	.90	.79	.60	.42	Green River	3.19	2.69	2.23	1.79
Topeka	1.25	1.03	.74	.54	NORTH CAROLINA—					Lander	3.50	2.92	2.32	1.85
Wichita	1.63	1.39	1.08	.82	Asheville	1.82	1.60	1.37	1.07	Sheridan	3.13	2.62	2.12	1.70
					Raleigh	1.67	1.44	1.13	.84					
					Wilmington	1.67	1.40	1.09	.84					

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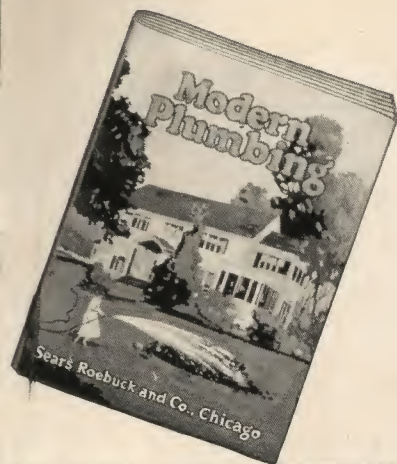
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Send for our Catalog of Modern Plumbing and see how little it will cost you to install a few of the conveniences you have long wanted. We shall be glad to help you plan and to give you any estimate you wish. In our catalog, besides a splendid line of bathtubs, lavatories, sinks, water closets and other fixtures and fittings, at prices as attractive as the goods themselves, we also list pumps, water supply systems, engine accessories and supplies, plumbers' and steamfitters' tools. The quality is there; we guarantee the goods. At the same time we can show you worth while savings in prices.

With every fixture we furnish full and complete directions for installing. You can put in the plumbing yourself, and save that much more.

Write for "Modern Plumbing" today.

How to Place Modern Heating in Your Home

Write for our Catalog of Modern Heating Systems, sent free on request. It describes interestingly the comparative advantages of Hot Water, Steam and Warm Air Heating (we sell all three systems), illustrates and describes our splendid line of boilers, furnaces, radiators, registers, etc., and will give you a clear idea of the solid comfort you can buy from us for a very reasonable amount. Why live in two or three rooms during the Winter when you can easily heat every room in the house with less trouble and inconvenience?

Not only do our prices mean considerable savings, but with each plant we also furnish working drawings and directions which will enable anyone who is handy to install the plant. This means that you need not pay extra for skilled labor.

Send for "Modern Heating Systems."



Floor Registers, Borders and Faces.

Black Japanned Register.



White Japanned Face.

Registers, black japanned. Made with cast iron top and steel body. Fit borders of the same dimensions. Borders not included in price of registers. When used as ceiling ventilators the borders are not required, but a white face 42R62262 should be ordered with each register.

Borders, cast iron, black japanned. Match registers described above. Measurements are inside.

Register Faces, cast iron, white japanned. Used in ceilings and side walls as ventilators.

42R62260 Registers			42R62261 Borders			42R62262 Register Faces		
Size, Inches	Weight, Abt., Lbs.	Price	Weight, Abt., Lbs.	Price		Weight, Abt., Lbs.	Price	
8x10	8	\$0.91	6	\$0.69		4	\$0.72	
9x12	9	1.16	8	.91		6	.80	
10x14	10	1.74	9	1.21		8	1.05	
12x15	12	2.51	12	1.60		10	1.59	

Write for Our Floor Tile Color Book—Free on Request.

23c and Upward a Square Foot for Tile, According to Design and Colors.

We want you to know you can have a beautiful ceramic mosaic tile floor in your vestibule, bathroom, or any other room at the astoundingly small cost of 23 cents a square foot, ready for laying. The greatest opportunity of the age for owning a beautiful aseptic, sanitary floor at prices never dreamed of before, a floor that will outwear the house itself.

Fireproof, sanitary and the cleanliest floor ever laid. The prettiest bathroom floor you ever saw when laid in pure white.

Send for our Ceramic Mosaic Floor Tile Color Book, where we tell you all about the simple method of preparing, leveling and laying ceramic mosaic floor tile; how any workman who can level a Portland cement bed can lay the floor.



DO YOU USE CEMENT?



If you use cement or concrete for any purpose you should have a copy of our Special Concrete Machinery Catalog. It describes in full a complete line of Concrete Mixers, Sidewalk Forms and equipment for making concrete building blocks, brick, fence posts, tile, porch and balustrade material, chimneys and other products. It also tells you much about the use of cement and the manufacture of concrete products and will prove a valuable source of information for anyone interested in this work. Every machine or mold is sold on trial and is fully guaranteed by us.

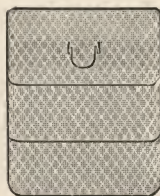
Be sure to send us a letter or postal card and ask for this Special Concrete Machinery Catalog.



Fireplace Hardware

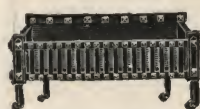
Send for our latest catalog of fireplace furnishings, including wood, brick and all tile mantels and all accessories for the fireplace and hearth. We show a very limited selection of fixtures here and if you are interested it will pay you to send for the catalog. We have an exceptionally fine line of solid brass andirons and other fixtures that will be sure to please you. The catalog is free and a request on a postal card will bring it to you.

Wire Spark Guard.



Size, In.	Weight	Price
63R94215 24x30	12 lbs.	\$1.35
63R94216 30x30	15 lbs.	1.65
63R94217 36x30	16 lbs.	1.90
63R94218 36x36	19 lbs.	2.10

Cast Iron Portable Grate.

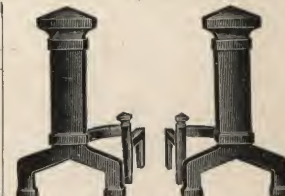


63R94080		
Length, 20 1/2 in. Wt., 50 pounds.		
Price .....\$4.90		
63R94081		
Length, 22 in. Weight, 55 pounds.		
Price .....\$5.00		
BLACK FINISH.		
63R94082—Length, 23 1/4 inches. Weight, 60 pounds. Price.....\$5.15		

Cast Iron Andirons and Fire Set.



Cast Iron Black Andirons. Height, 14 inches; weight, 25 pounds.	
63R94150—Andirons.	
Price, per pair.....	\$1.80
Black Fire Set. Stand and three utensils, shovel, tongs and poker. Wrought iron, cast handles. Height, 25 inches. Weight, 15 pounds.	
63R94160—Fire Set.	
Price, complete.....	\$3.90



Black Cast Iron Andirons. Height, 17 inches. Post, 3 inches square. Head, 5 inches. Weight, boxed, 70 pounds.	
63R94125	
Price, per pair.....	\$6.25

Cast Iron Throat Damper.

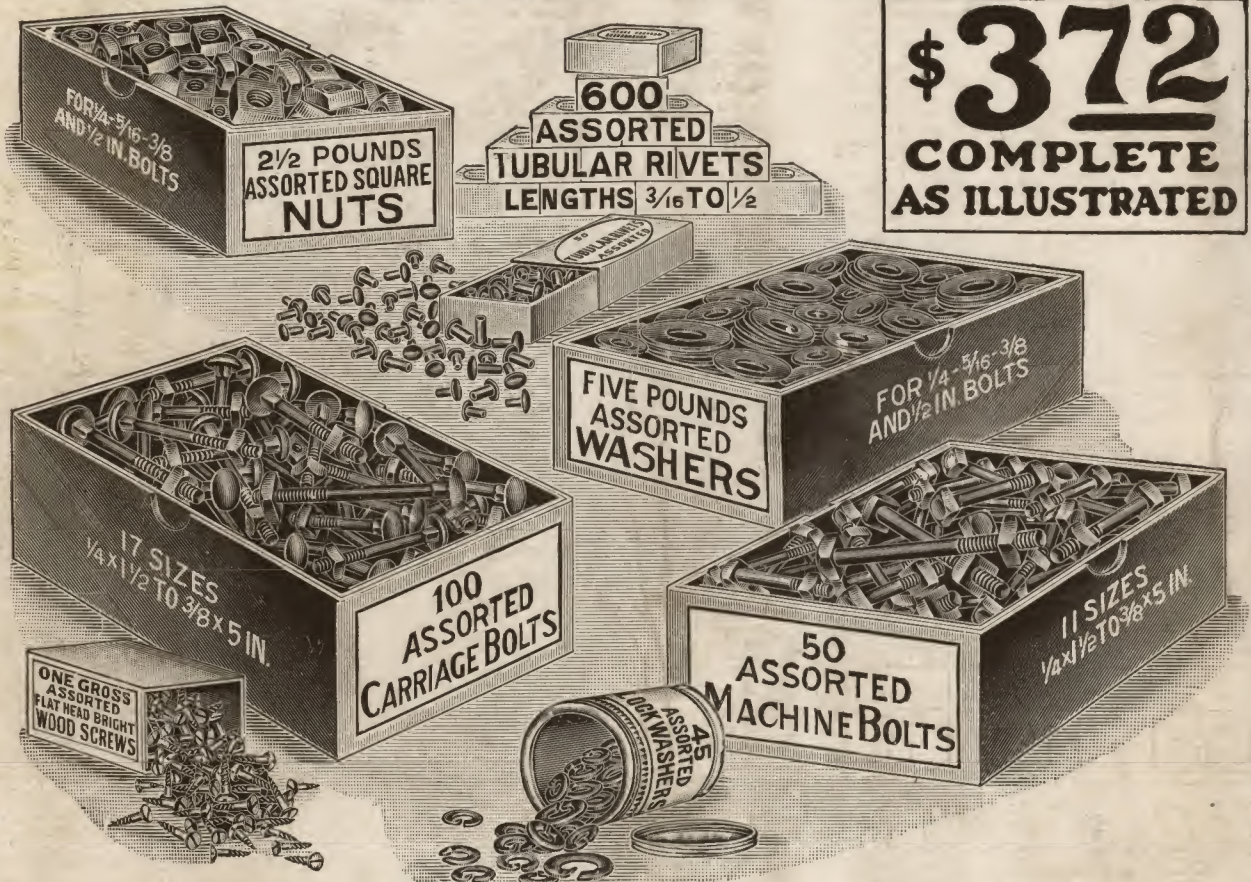


63R94175	
Size of Fireplace Opening	
Weight	Price
30 lbs.	\$4.80
40 lbs.	5.00
50 lbs.	6.00
60 lbs.	6.75



Automatic Ash Dump. Size, 6x7 inches. Weight, 3 pounds.	
63R94176	
Price	.....50c

MAMMOTH OUTFIT OF DAILY FARM NECESSITIES



\$3.72
COMPLETE
AS ILLUSTRATED

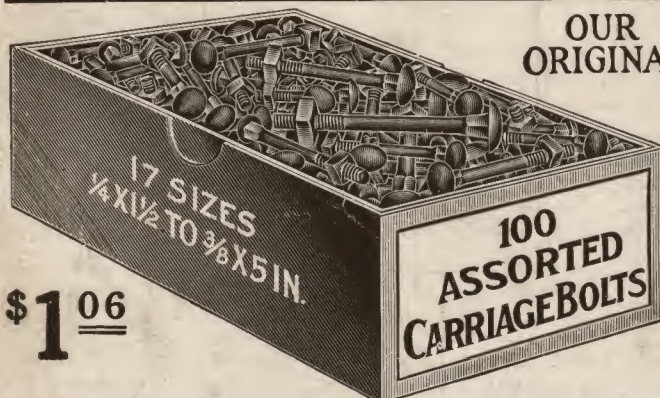
Will Pay for Itself in a Short Time on Any Farm

Designed to take care of the average farm requirements for quick repairs. Just the right quantities of each article furnished to meet the ordinary farm needs.

This Is What You Get

100 assorted carriage bolts, 50 assorted machine bolts, 5 pounds assorted washers, 12 boxes assorted tubular rivets, 2 1/2 pounds assorted threaded nuts, 45 assorted Positive Lock washers, 1 gross assorted flat head bright wood screws. Shipping weight of outfit, 25 pounds.

99R3075—Entire outfit, as illustrated and described. Price..... **\$3.72**



\$1.06

OUR ORIGINAL **BIG 100 CARRIAGE BOLT ASSORTMENT**

With a Nut Screwed on Every Bolt.

Bolts have round heads, square shoulders, deep threads and full size nuts. Assortment includes seventeen assorted sizes from 1/4 x 1 1/2 to 3/8 x 5 inches. Shipping weight, about 9 pounds.

9R3017—Our price..... **\$1.06**

SEND ALL ORDERS TO SEARS, ROEBUCK AND CO., CHICAGO, ILL.